



Seven Model Villages & City Center

AN OVERVIEW

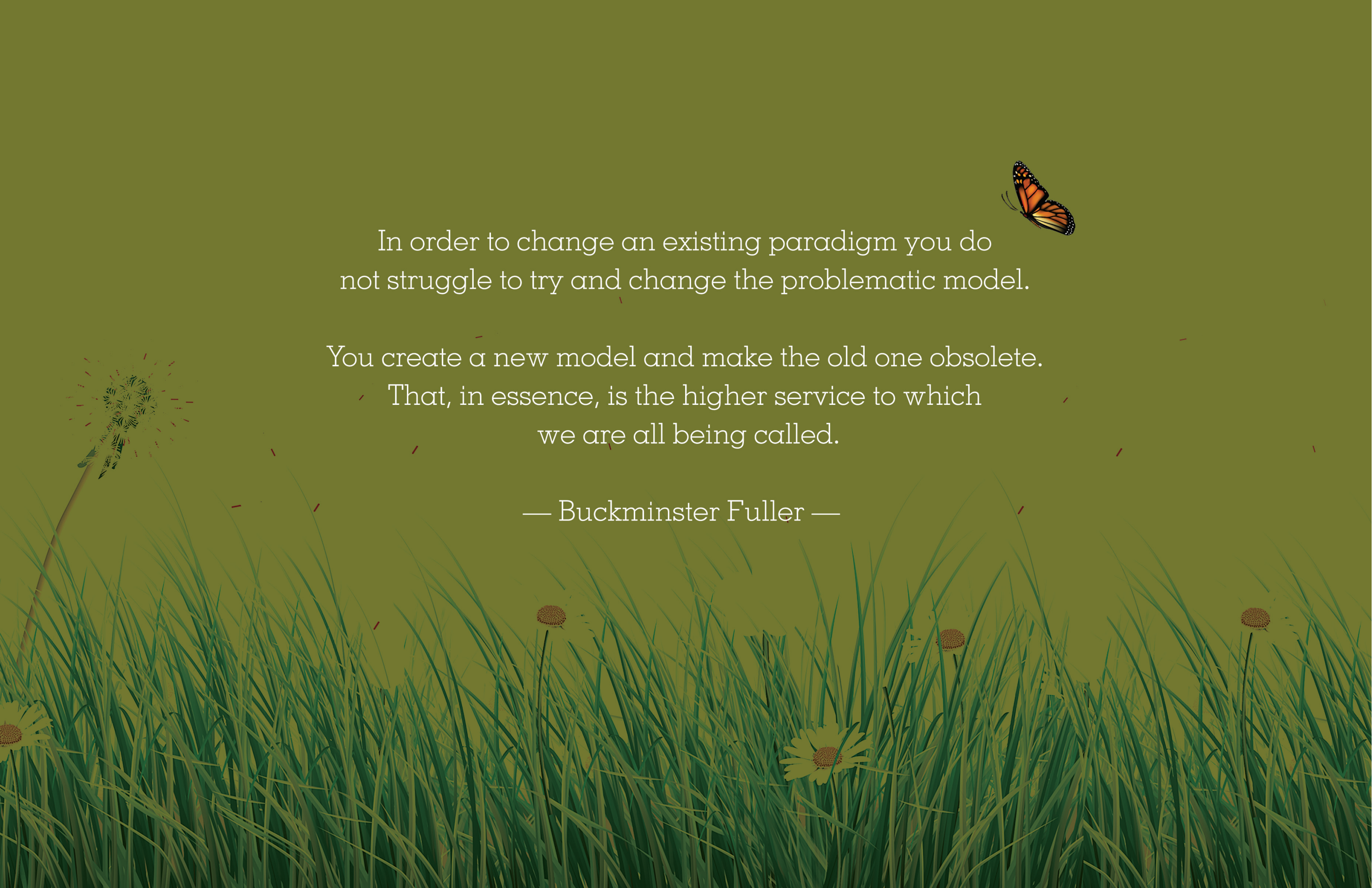


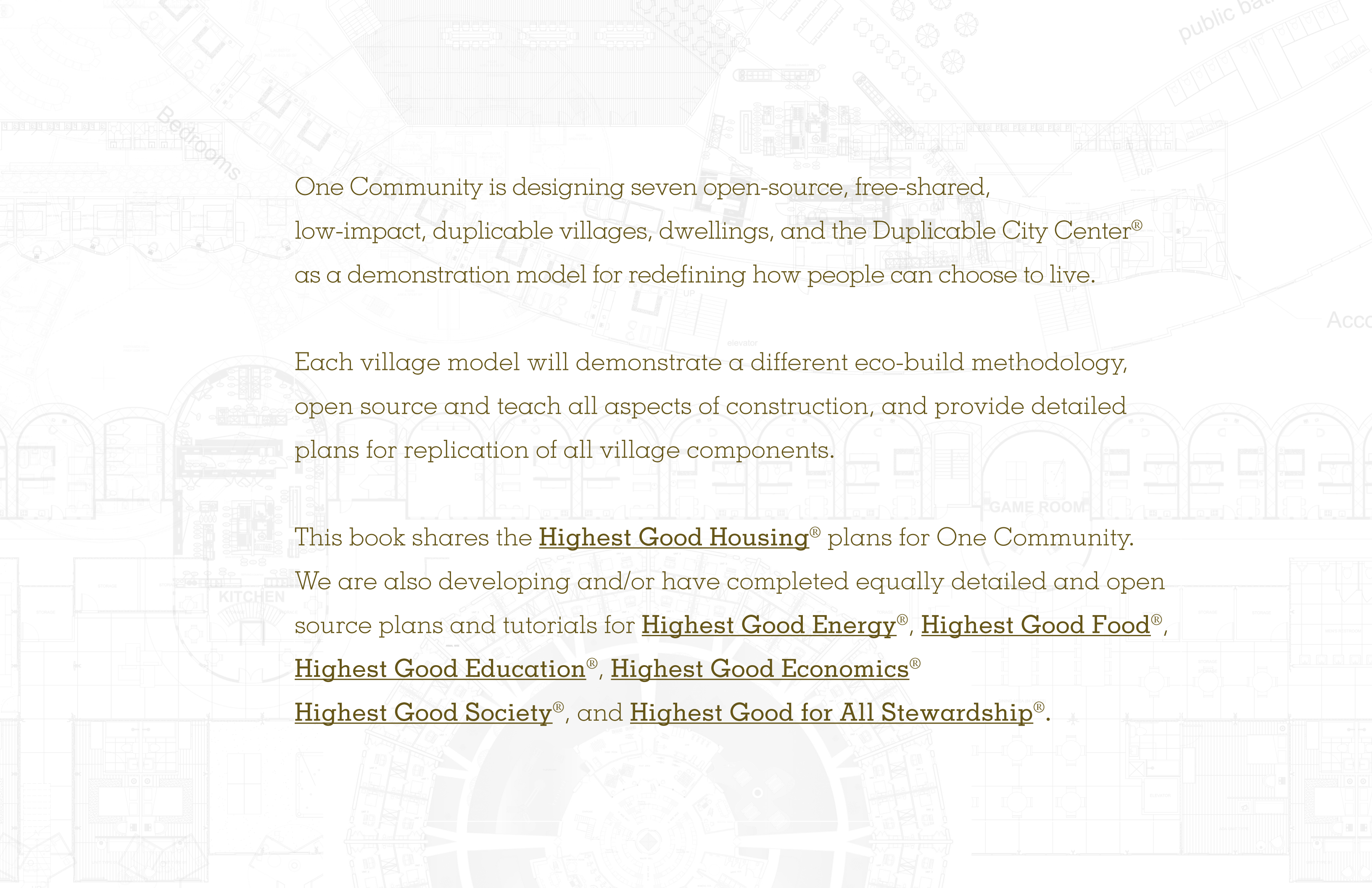
In order to change an existing paradigm you do
not struggle to try and change the problematic model.

You create a new model and make the old one obsolete.

That, in essence, is the higher service to which
we are all being called.

— Buckminster Fuller —



The background is a detailed, light gray architectural floor plan of a building. It shows various rooms such as bedrooms, a kitchen, a game room, and a public bath. There are also labels for 'UP' (upstairs) and 'elevator'. The plan is complex, with many small details and lines representing walls, doors, and furniture.

One Community is designing seven open-source, free-shared, low-impact, duplicable villages, dwellings, and the Duplicable City Center[®] as a demonstration model for redefining how people can choose to live.

Each village model will demonstrate a different eco-build methodology, open source and teach all aspects of construction, and provide detailed plans for replication of all village components.

This book shares the Highest Good Housing[®] plans for One Community.

We are also developing and/or have completed equally detailed and open source plans and tutorials for Highest Good Energy[®], Highest Good Food[®], Highest Good Education[®], Highest Good Economics[®], Highest Good Society[®], and Highest Good for All Stewardship[®].

One Community Master Plan



-  Aquapini and Walipini
-  Large-scale Garden
-  Hoop Houses
-  Nursery
-  Wind Farm
-  Ultimate Classroom Dome
-  Transitory Housing
-  Outdoor Class Area
-  Outdoor Gym
-  Running Trail
-  Zipline
-  Obstacle Course
-  Basketball Court
-  Soccer Field
-  Natural Pool
-  Cave
-  Labyrinth
-  Aromatic Garden
-  Sitting Place
-  Meditation Area
-  Relax Outdoors
-  Earth Square
-  Wind Square
-  Water Square
-  Fire Square
-  Open Amphitheater
-  Kids Camping
-  Picnic Area

Open Source Villages and a Duplicable City Center®

Earthbag Village

1



Straw Bale Village

2



Cob Village

3



Earth Block Village

4



Shipping Container Village

5



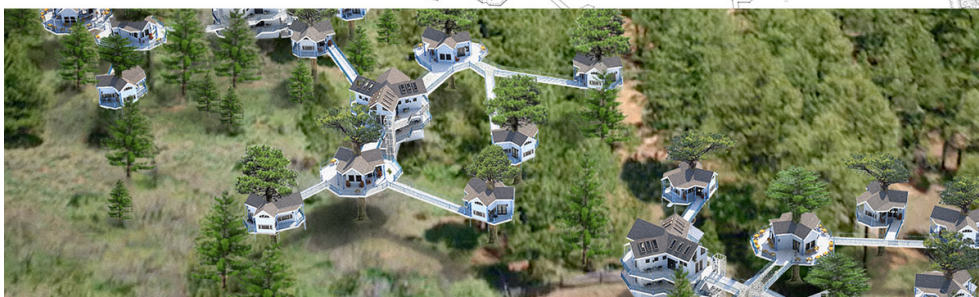
Recycled Materials Village

6



Tree House Village

7



Duplicable City Center

©



View all the Online Open Source
Village Hubs Here:
[www.OneCommunityGlobal.org/
Highest-Good-Housing](http://www.OneCommunityGlobal.org/Highest-Good-Housing)

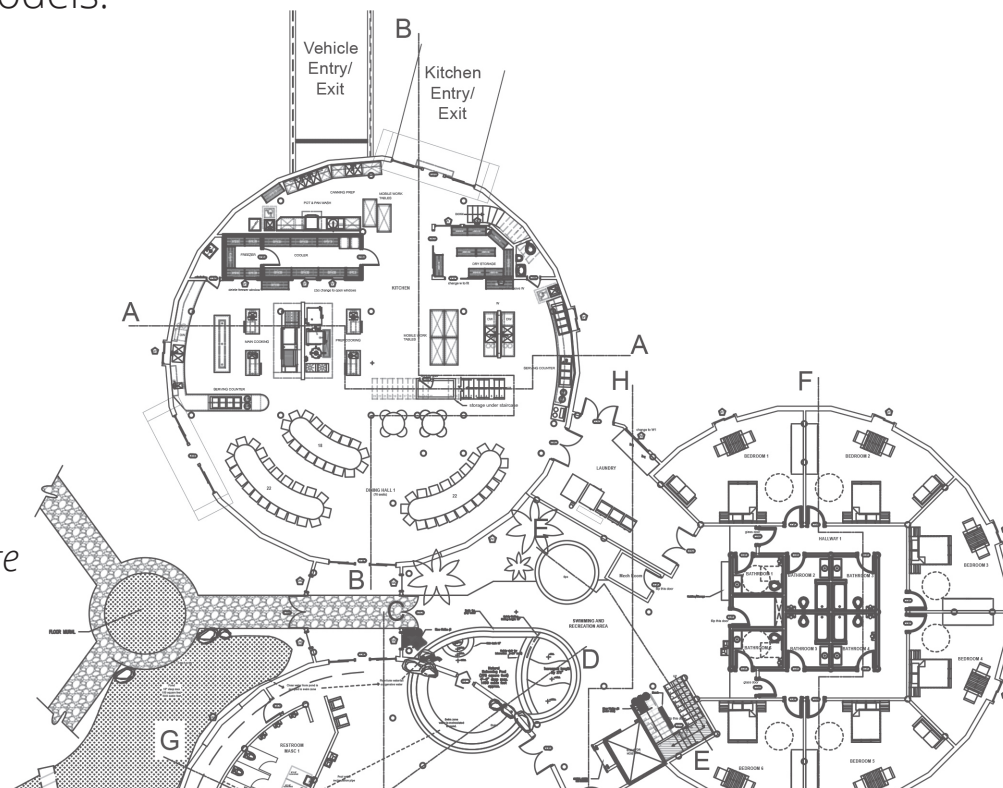
Duplicable City Center

One Community is designing an open source and free-shared Duplicable City Center® to help model a redefinition of how people choose to live, save resources, and function as a revenue generator and starting point for DIY and replicable sustainable city construction. This structure will open source 15 different templates including complete DIY structure assembly, hydronic systems setup, the natural pool and eco hot tub, eco-laundry for 300+, eco-kitchen for 200+, DIY pipe furniture, DIY pallet furniture, climate battery design and implementation, advanced control and automation, sustainable energy infrastructure, LEED Platinum lighting design, LEED Platinum HVAC design, LEED Platinum materials selection and acquisition, and eco-tourism revenue generation for community construction and expansion using this structure and the other 7 village models.

View the Online Open Source Hub:

[www.OneCommunityGlobal.org/
Duplicable-City-Center](http://www.OneCommunityGlobal.org/Duplicable-City-Center)

Complete floor plan on next page





17,000+ Square Feet (1,580 sq meters)

Rental
Rooms for **40+**

Convention
Space for **300+**

8 Public Recreation
Spaces

4 Large Group
Meeting Spaces

Dining
for **200+**

Laundry
for **300+**

15 Open Source
Templates

Estimated Cost
\$2,467,000

Duplicable City Center



Large-scale food & supplies storage with loading dock and dumbwaiter system



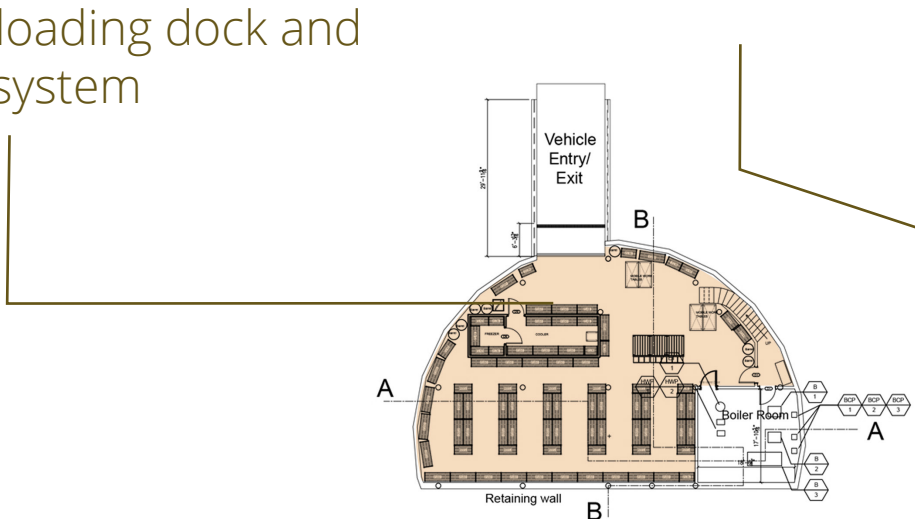
Kitchen to feed 400+



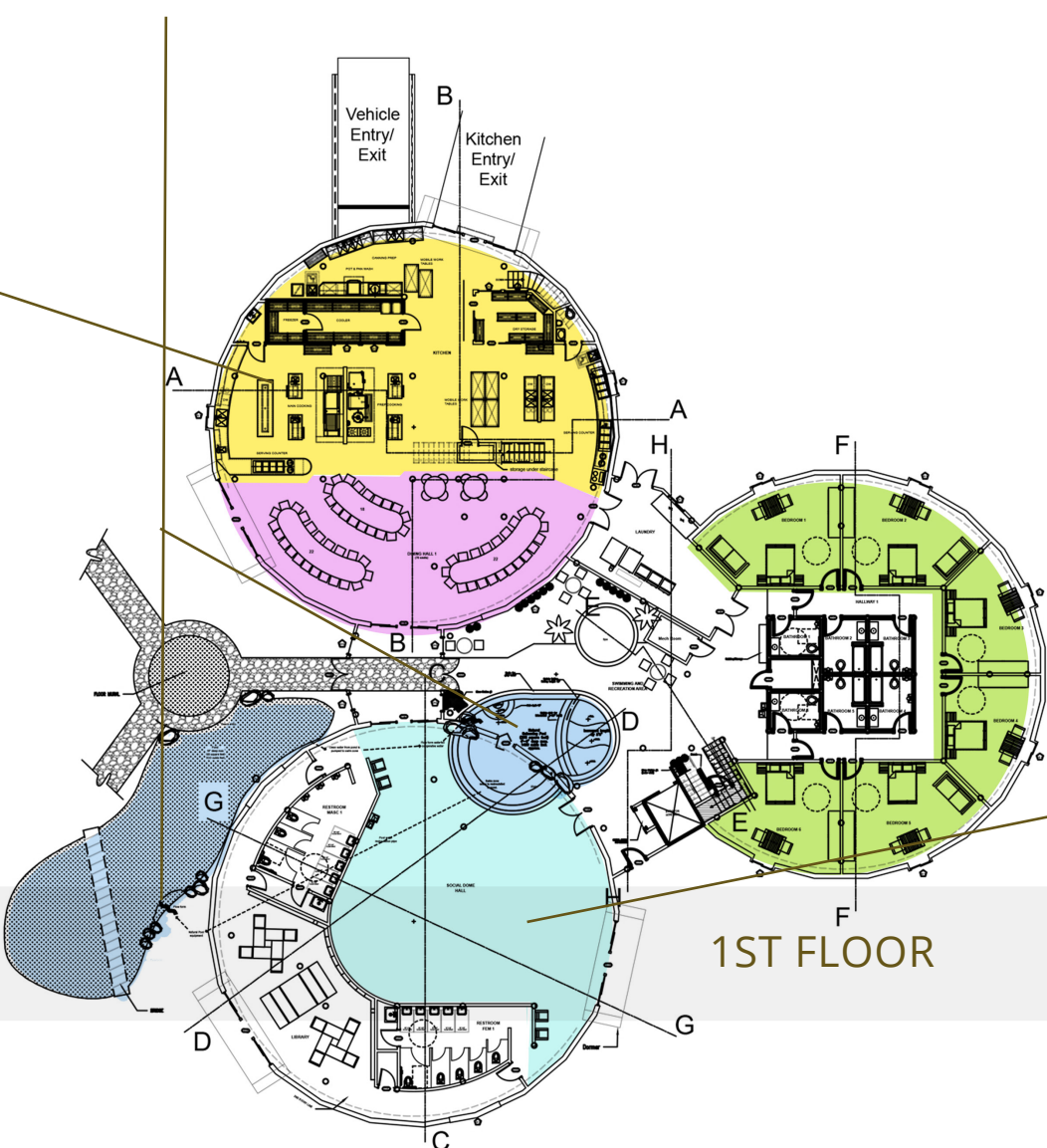
Indoor/outdoor pool & spa



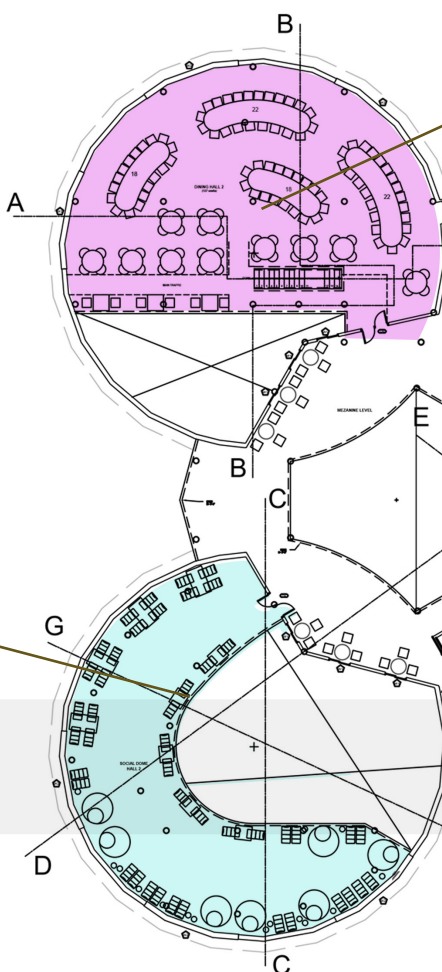
Social Dome with loft



BASEMENT LEVEL



1ST FLOOR





Dining areas for 200+ on two floors



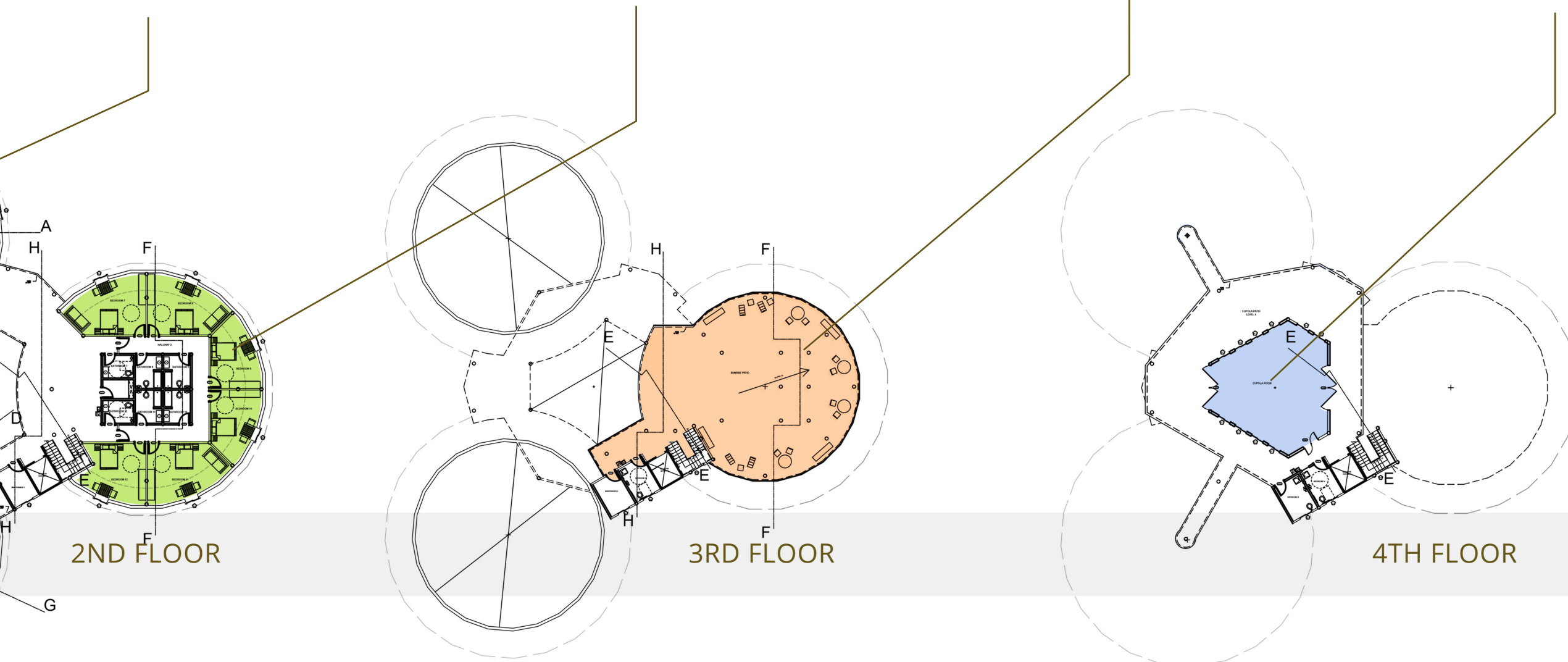
12 rental visitor suites on two floors



Sunrise patio



Rooftop cupola/multimedia & recreation space



Dining & Kitchen to Feed 400+

The Dining Dome features a commercial-sized kitchen capable of food preparation for 400+ residents and visitors at a time. This will support large indoor and outdoor promotional events.



12 Deluxe Guest Suites

The Living Dome features 12 VIP guest suites showcasing advanced and open source control and automation systems along with the most convenient access to the rest of this building's amenities.



Commercial-Sized Dining Hall

The Dining Dome also offers two floors of spacious seating areas capable of hosting 200+ people. The walkway between this area and the Social Dome can also be closed off if either area needs privacy.



Sunrise Patio

The east-facing Living Dome rooftop patio is designed for maximum enjoyment of both sunrise and sunset views, rising on the patio and setting through the opening that frames these views to the west.



Social & Recreation Loft

The Social Dome is large enough to host events for 100s and features a large loft for relaxation, socialization, and large and open overhead views of the activities happening in the main area below.



4th-Floor Cupola

At the top of this structure is the 4th-floor cupola offering near-360° views and a combination social space and media room for classes of any type, movie nights, events, and more.



Library & Game Room

The Social Dome library and game room offers additional space for recreation, relaxation, socialization, classes, and more. It also features DIY recycled pipe furniture, lighting, and shelving.



Natural Pool & Eco-Spa

The indoor/outdoor natural pool and eco-spa add beautiful and environmentally conscious water features and swimming options with open source plans, permitting, maintenance, and more.



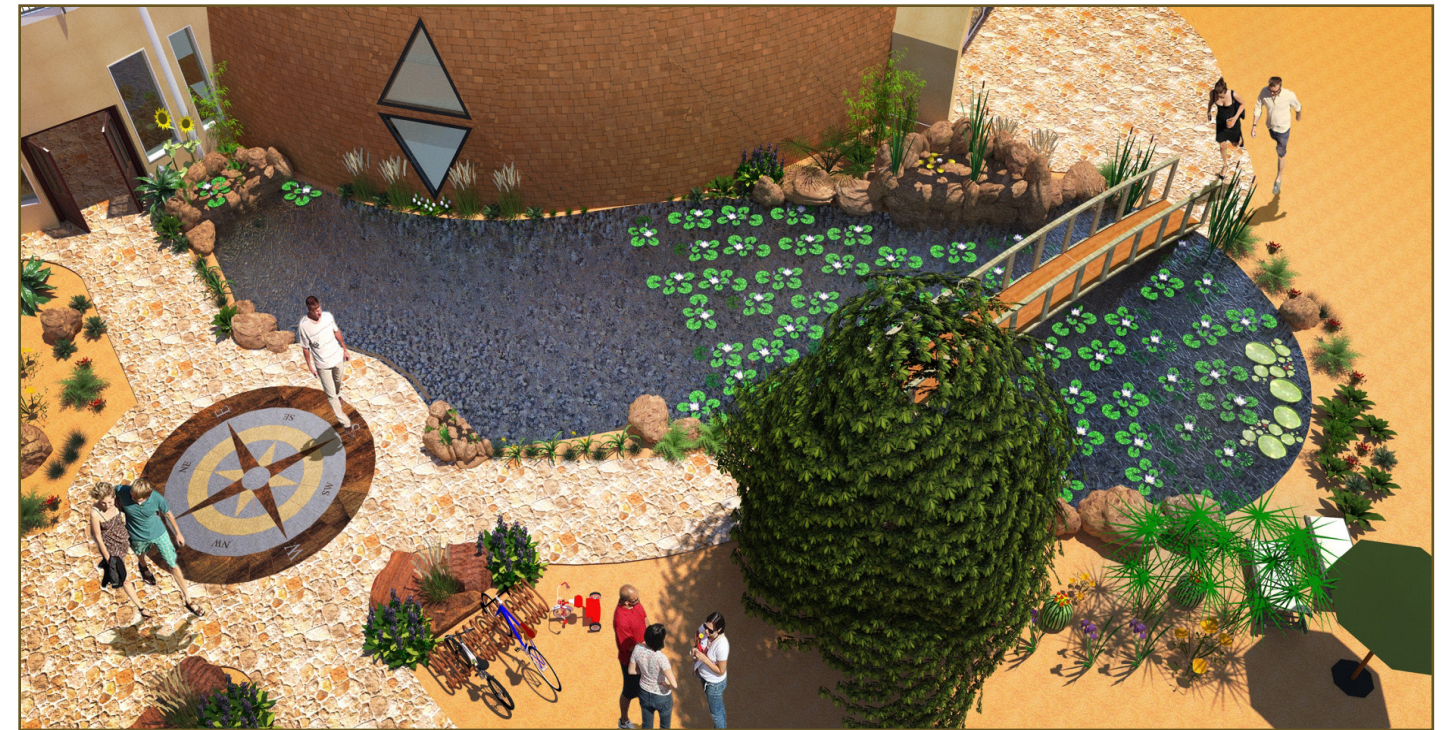
Natural Pool & Spa

The Duplicable City Center designs include open source natural pool and spa plans. These designs run entirely on renewable energy and use a combination of ozone, germicidal UV, bio filters, and sand filters made from recycled glass to minimize or eliminate the use of chemicals while still meeting strict commercial health and safety codes. Providing a place for people to experience this pool and spa while open source sharing the designs, the permitting process, the building process, the safety-testing process, maintenance, and all the specific benefits of eco-pools and hot tubs like this is purposed to inspire and help people to build similar eco-designs for both personal and commercial use.

www.OneCommunityGlobal.org/Duplicable-City-Center-Natural-Pool-Spa

Entryway Wading & Natural Filtration Pond

Beautiful wading area that also functions as the bio-filter and sand filter.



Central Open-Air Eco-Pool & Spa

Featuring a natural waterfall by the spa, separate pool area safe even for infants, and swim-through access to the inside of the Social Dome via the main pool area.



Indoor Swimming Pool & Nature Space

Featuring two waterfalls, swimming access to the central pool area outside the dome, and an insulated door that can be easily closed whenever it is cold outside.



DIY Pipe Furniture

DIY pipe tables, couches, and chairs that convert to tables.



Library & Game Room with DIY Pipe Furniture

This multi-use Library and Game Room is designed with recycled pipe furniture that is open source too. Buildable with a variety of different pipe and wood options and purposed to provide an eco-retro look, this furniture includes open source pipe shelving, lighting, tables, couches, and chairs. Couches and tables are sized for each other and the chairs also convert to tables sized to work with the chairs or couches. The lighting here will also integrate with the open source City Center control and automation systems to allow for any lighting level and full-spectrum color selection. Learn more here: www.OneCommunityGlobal.org/Pipe-Furniture

DIY Pipe Lighting

DIY pipe-construction overhead lighting integrating our open source control systems with bulbs that will allow for time-sensitive dimming and full-color-spectrum lighting control.



DIY Pipe Shelving

DIY pipe-construction book shelving with artistic gauges, spigot-style knobs, and built-in accent lighting elements integrated with the library control and automation systems.



Open Source Technology Integration

Technology is also an important part of everything we are open source designing. Through a combination of environmental automation, measuring, and control systems, we will improve efficiency and save resources, make sustainable living even easier and more enjoyable, and be able to better manage critical systems, identify problems, and provide the objective data needed to easily make and evaluate improvements.

These systems are modularly implementable, cover all aspects of sustainable living, include adjustable automation wherever possible, and are designed to be implemented in different variations throughout the City Center, all 7 village models, and our additional social, educational, and food production structures too.

These systems will be used to:

- ➔ Fine tune each structure and environment for maximum efficiency and sustainability
- ➔ Objectively evaluate upgrades and other changes and open source what we learn
- ➔ Educate the public on the benefits of living in an ultra-sustainable environment like One Community
- ➔ Open-source share and compare data with others who replicate our structures

Learn more here:

www.OneCommunityGlobal.org/Control-Systems

LIVING SPACES WITH ECO-AUTOMATION & ENVIRONMENTAL CONTROLS



LARGE SCALE ECO-TECH INTEGRATION THROUGHOUT ALL VILLAGES & THE CITY CENTER



TEMPERATURE
AND HUMIDITY
CONTROL



IR REPEATER
FOR CONTROL OF
OTHER DEVICES

In addition to the in-room components shown at left, the City Center (and each of the 7 village models) is also designed using card-based data gathering that will allow users to print out, evaluate, and compare their usage to national and international standards. Data is password protected and assigned to numbers instead of names to keep it anonymous for visitors. Data gathering for these purposes will include:

- Card readers
- Electricity metering
- Water metering

For added efficiency, convenience, and safety, we'll also integrate these options where appropriate and most beneficial:

- Light dimmers
- Ambient light sensors for lighting automation
- Water-leak detectors
- Water temperature sensors
- Gas detectors
- CO₂ detectors



ELECTRICITY
USAGE DATA



WATER USAGE DATA



INDIVIDUAL USAGE
CARD OPTIONS



AMBIENT LIGHT
SENSORS &
LIGHT DIMMERS



GAS
DETECTORS



FLOODING ALARMS



CO₂
DETECTORS



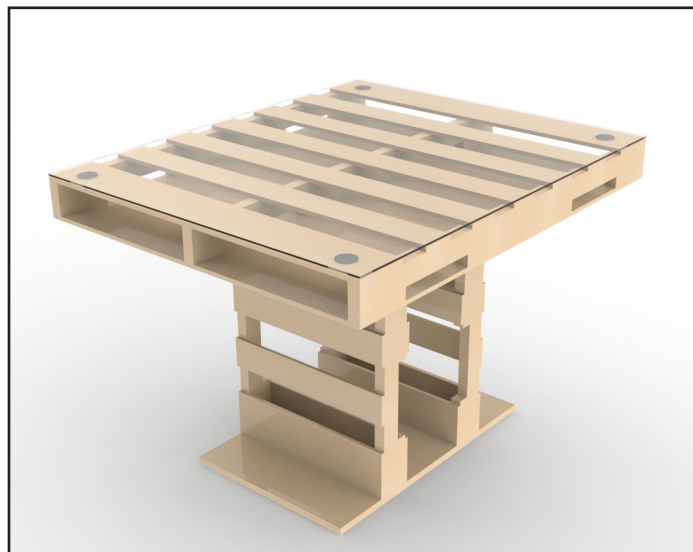
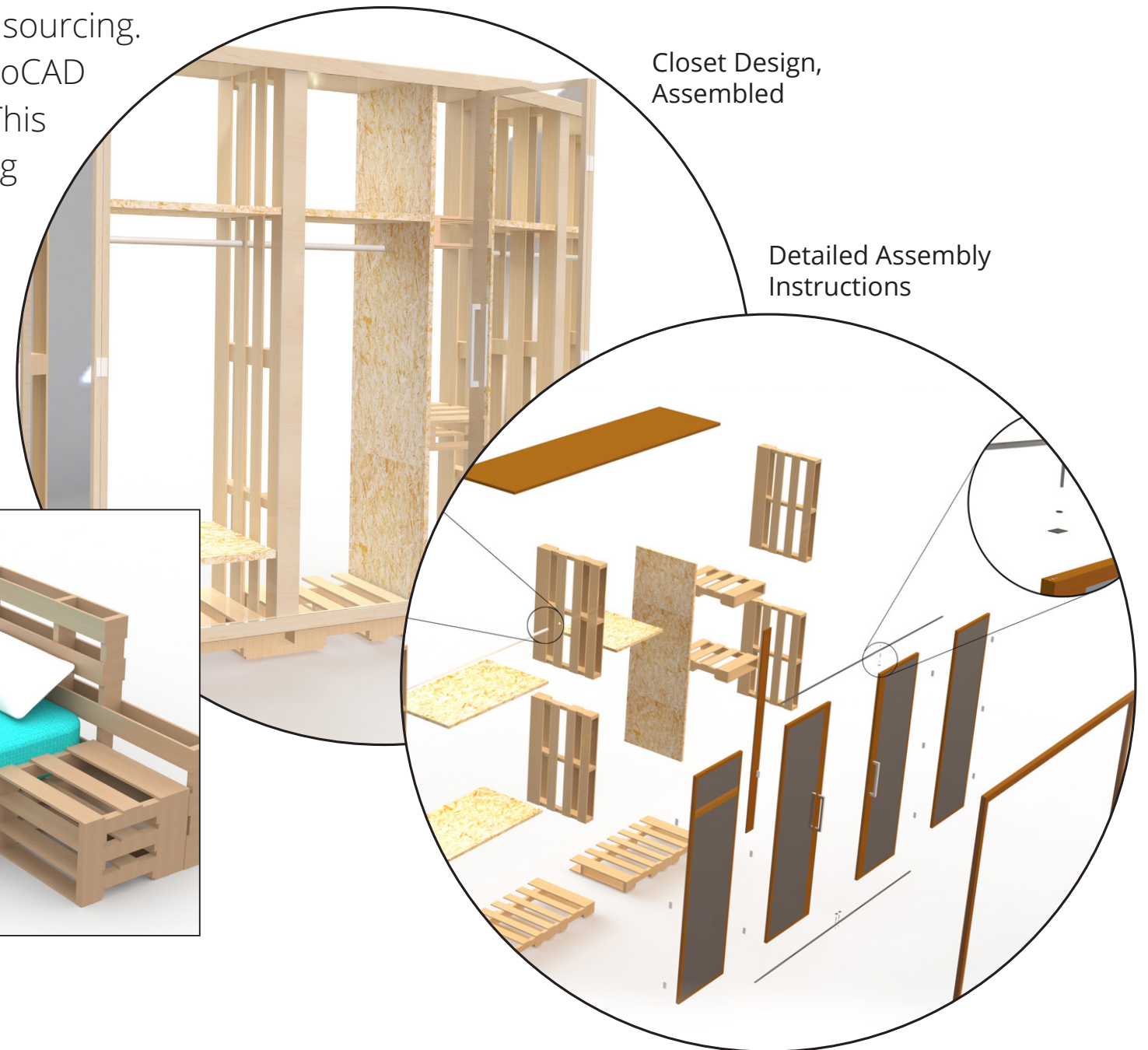
WATER
TEMPERATURE
SENSORS

DIY Instructions for All Components

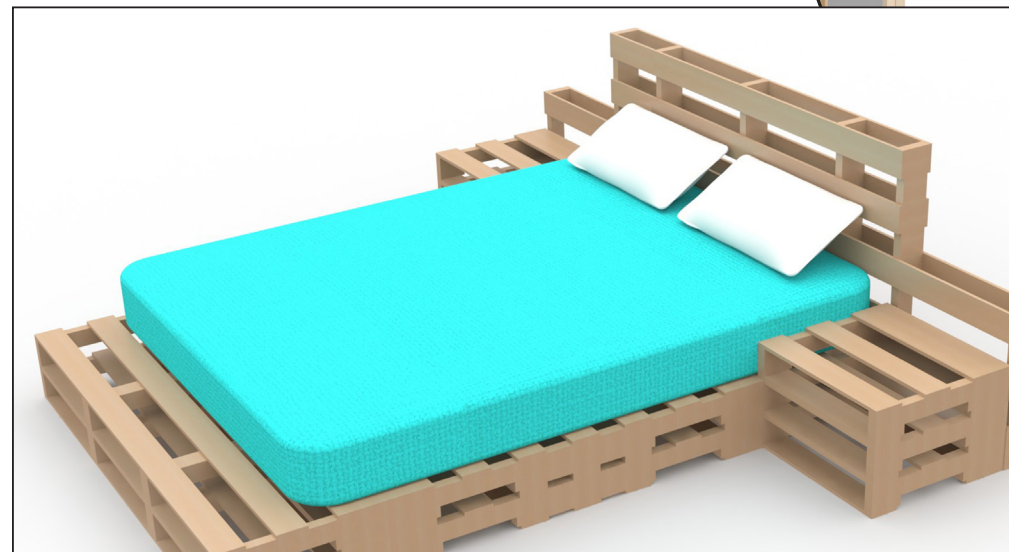
Designed to be do-it-yourself replicable, everything One Community is creating is being open sourced with detailed replication instructions, tutorials, plans, and more.

Shown here are examples of the custom do-it-yourself pipe and pallet furniture designs and instructions. These though are only one small component of all we're open sourcing.

We will also be providing video tutorials, downloadable PDFs, the final AutoCAD files, and additional installation, assembly, and maintenance instructions. This level of detail is additionally being developed to cover replication of everything from the 75-foot diameter (37' tall) City Center domes themselves, all energy infrastructure details, food self-sufficiency options, the complete kitchen and laundry facilities, root cellar design, cupola design and construction, elevator design and installation, windows, doors, lighting and other aesthetic elements, and more. Every aspect of the project open sourced for do-it-yourself replication and/or improvement and evolution.



Pallet Table



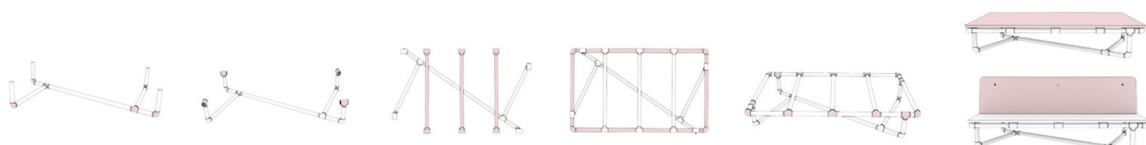
Pallet Bed



- 12x 2" Tee Joints
- 8x 2" Pipe Elbows
- 3x 3"x 7" Metal Straps
- 6x #10 1" Screws
- 2x 2"x 80" Corner Trim
- 4x 2"x 10" Pipe
- 2x 2"x 32" Pipe
- 2x 2"x 43" Pipe
- 3x 2"x 47" Pipe
- 3x 2"x 80" Pipe

- 1x 1" x 48"x 80" Wood Board
- 2x 1" x 19"x 80" Wood Board
- 4x 3"x 17"x 80" Cushion

DIY Instructions

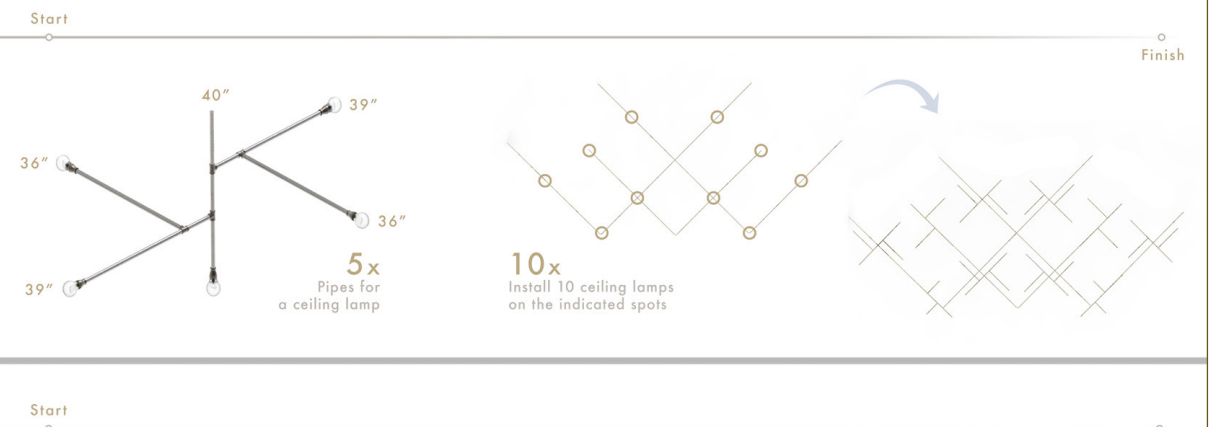


- 72x 1" Tee Joints
- 71x Reducing Couplings
- 10x Pressure Gauge Handwheels / Taps
- 40x 1" x 6"x 16' Wood Boards
- 45x 1"x 120" for Pipes for Shelving
- 242x 1"x 120" for Pipes for Lighting
- 21x 1" RGB multicolor on the wall
- 40x 1" smart color changing on the ceiling
- 10x 1" soft white dimmable on the ceiling



DIY

Instructions for ceiling light



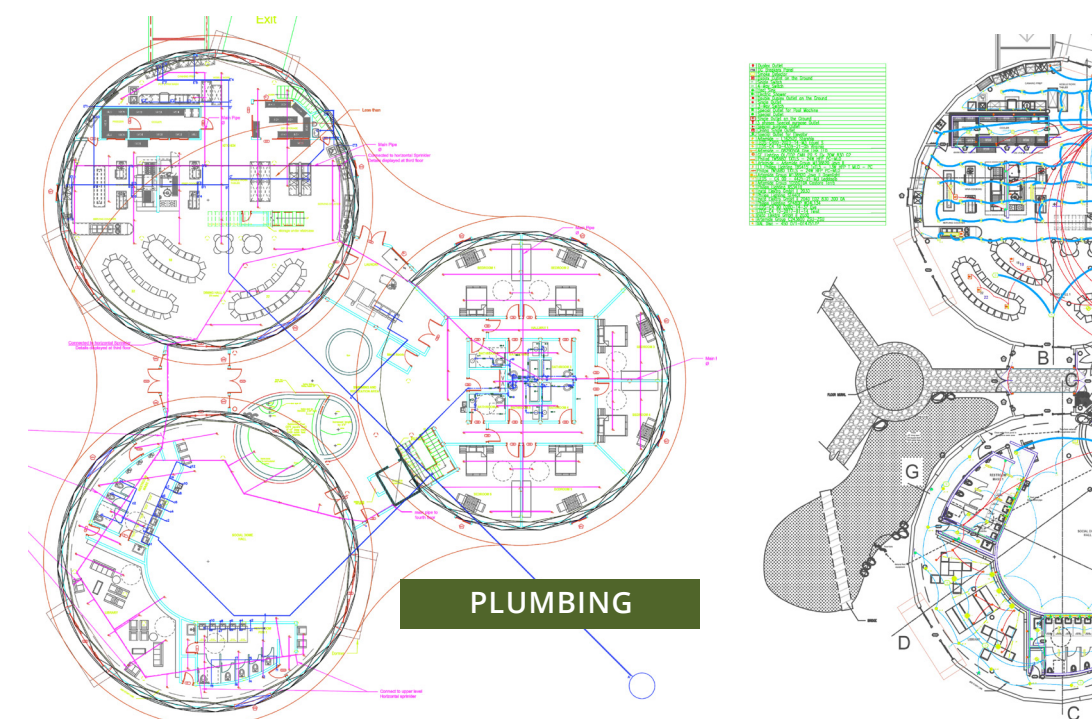
Everything Open Sourced

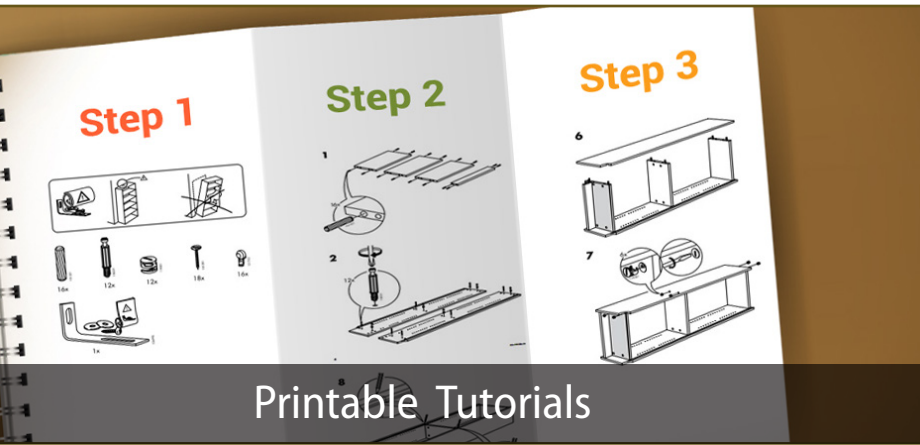
Everything One Community is creating is being open sourced specifically so others can easily replicate our designs or build their own creations using our designs for inspiration.

We're supporting this with video tutorials, web-based tutorials, and printable tutorials covering all aspects of design, construction, and maintenance. We're further supporting replication with ongoing FAQ updates, online problem-solving guides, and a database for sharing the implementations and evolutions of others. The complete open source sharing process covers the design and implementation of all structural details, plumbing, electrical, HVAC, equipment selection and installation, permitting, and more:

- ➔ [Labor Investment and Experience Sharing](#)
- ➔ [Materials Costs and Acquisition Guides](#)
- ➔ [Tools and Equipment Needs Guides](#)
- ➔ [Licensing and Permitting Guides](#)
- ➔ [Control and Automation Systems](#)
- ➔ [Hydronic Systems Design](#)
- ➔ [Sustainable Energy Implementation](#)
- ➔ [LEED Platinum Eco-lighting](#)
- ➔ [Open Source Eco-kitchen](#)
- ➔ [Open Source Eco-laundry](#)
- ➔ [Natural Pool and Eco-spa](#)
- ➔ [DIY Pallet Furniture](#)
- ➔ [DIY Pipe Furniture](#)
- ➔ [Open source software for tracking, coordinating, and future collaboration on all of the above](#)

View the Online Open Source Hub:
[www.OneCommunityGlobal.org/
Duplicable-City-Center](http://www.OneCommunityGlobal.org/Duplicable-City-Center)





Printable Tutorials

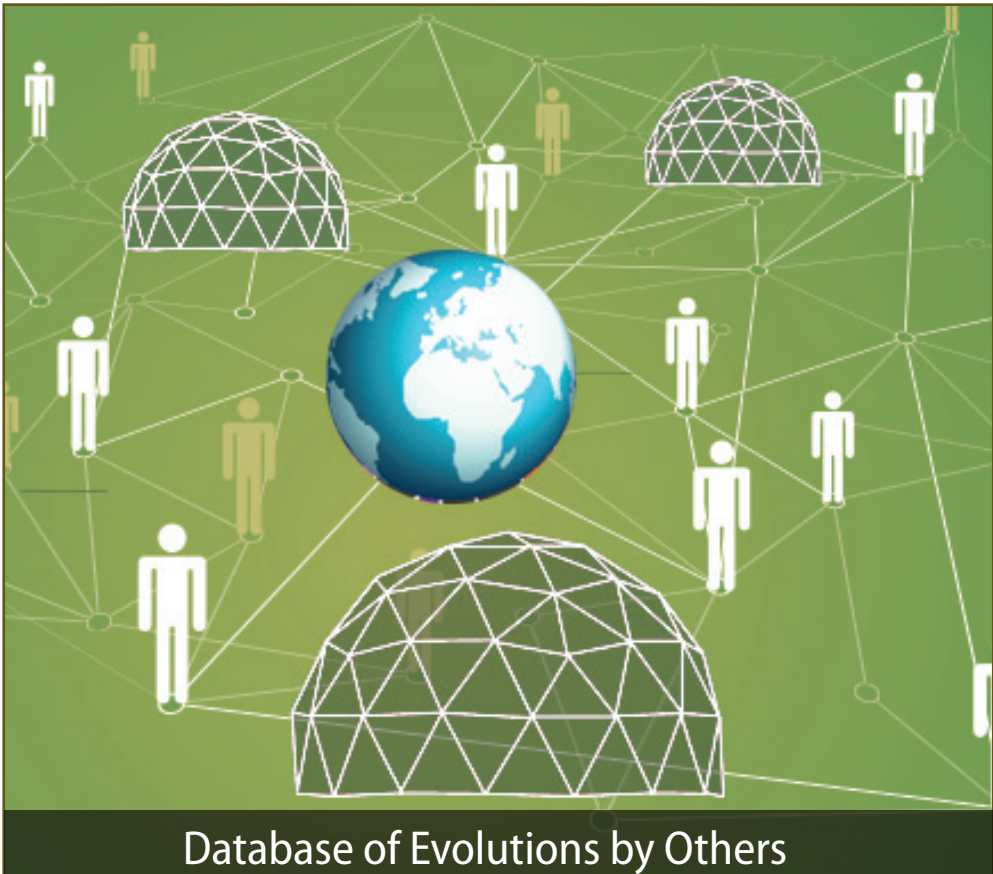
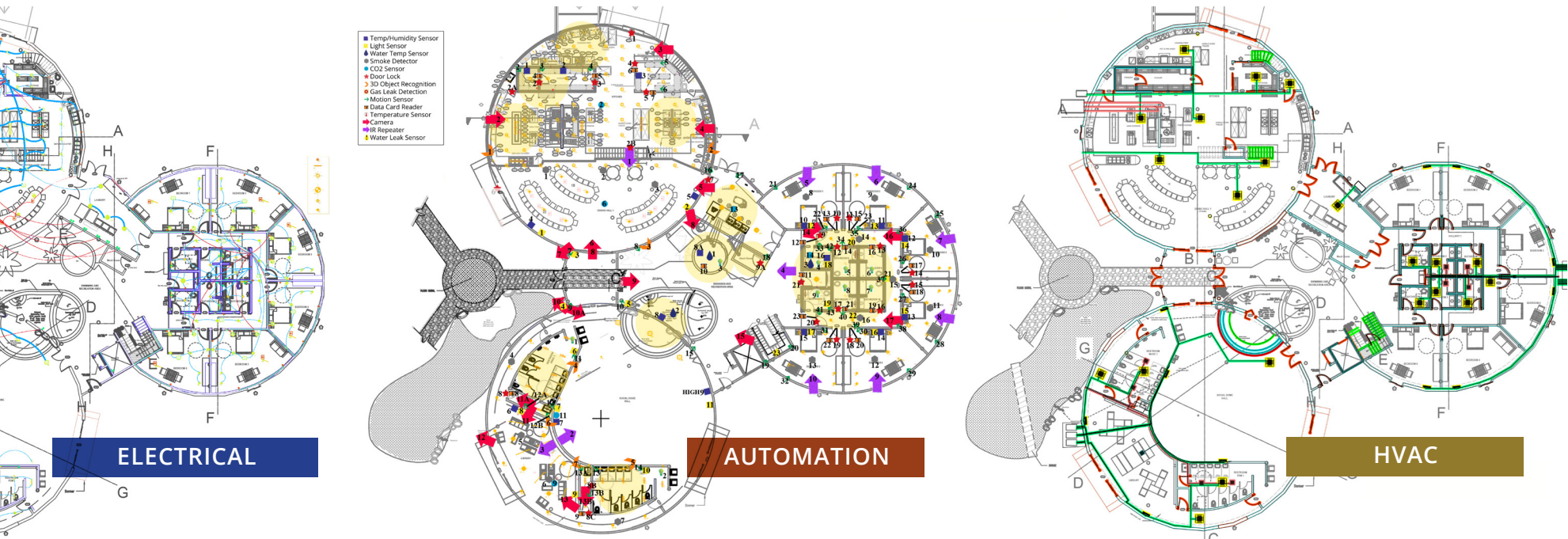
Work Item	Labor	Equipment	Materials	Subcontr.	Subtotal
Permits/Fees				\$1,500.00	\$1,500.00
Excavation	\$6,000.00	\$8,000.00	\$500.00		\$14,500.00
Utilities	\$3,500.00	\$2,500.00	\$2,750.00	\$1,000.00	\$9,750.00
Water Well				\$3,500.00	\$3,500.00
Septic Tank				\$1,900.00	\$1,900.00
Foundation				\$14,000.00	\$14,000.00
Concrete Flatwork	\$3,500.00	\$1,500.00	\$9,000.00	\$3,500.00	\$3,500.00
Framing				\$8,000.00	\$8,000.00
Roofing				\$2,250.00	\$2,250.00
Windows/Ext. Doors					
Garage Door					
Siding				\$18,500.00	\$18,500.00
Electrical				\$16,500.00	\$16,500.00
Plumbing				\$23,000.00	\$23,000.00
HVAC			\$1,000.00		\$1,000.00
Insulation	\$3,500.00				\$3,500.00
Interior Trim					

Materials Costs & Acquisition Guides



Labor-Investment Experience Sharing

“Open source project-launch blueprinting” means open sourcing the complete architectural plans and designs for the Plumbing, Electrical, Control & Automation Systems, HVAC Systems, Water Collection System, Waste Management Systems, etc. for replication as part of this structure or other projects.



Database of Evolutions by Others



Maintenance & Upkeep Hub



Multimedia Problem-Solving Hub



Ongoing FAQ Database

Earthbag Village

The Earthbag Village is the first of the 7 sustainable villages we'll build because it is considered the most affordable and globally-easily replicable. It will open source ultra-sustainable DIY eco-artistic housing, waste recycling structures, water collecting and recycling bathroom structures, water and heat recycling shower structures, the central Tropical Atrium food and recreation structure, botanical garden strategy, and more in a total-village footprint that is less than one acre.

Living domes are arranged in three-dome and six-dome clusters creating a central sitting area designed for relaxation, a fire pit, or other recreational use. These clusters could also be enclosed to create 3 or 6-room homes. The central Tropical Atrium is part of the open source botanical garden strategy and large enough to host classes and other gatherings. The entrance and surrounding area are also designed for hosting large (150+ people) outdoor events.

The theme of this village is "**Affordable DIY Sustainability**." The building method is easy to learn and construction costs are less than \$7,000 per structure, including the DIY custom furniture — and even less when mass produced.

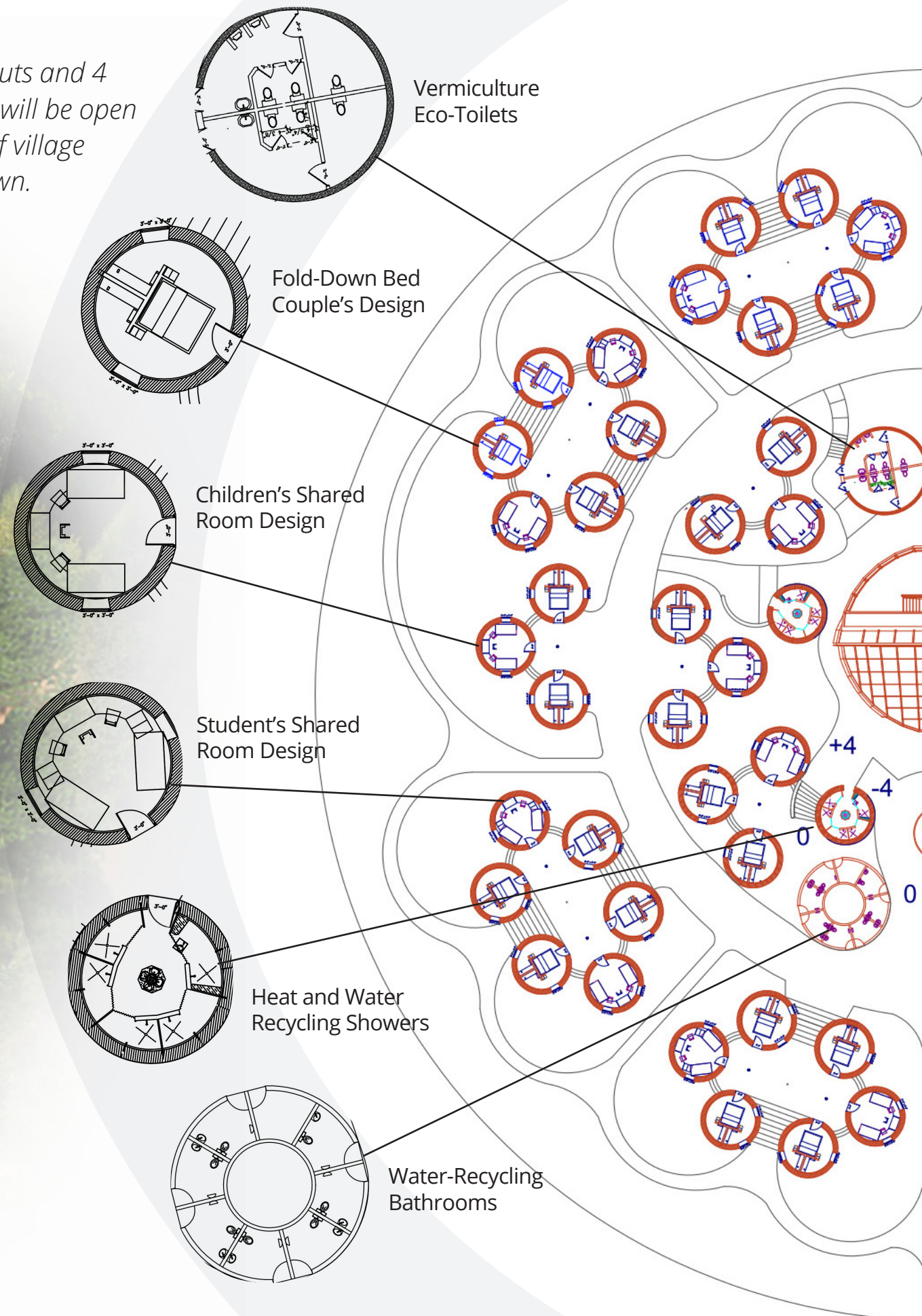
View the Online Open Source Hub:

www.OneCommunityGlobal.org/Earthbag-Village

Complete Village Footprint Less Than 1 Acre (4,047 sq meters)



3 different room layouts and 4 additional structures will be open sourced. Other half of village mirrors the area shown.



Housing for **150+**

Recreation Areas for **200+**

60 Living/Resident Units

12 Visitor/Guest Units

Waste-Recycling Eco-Toilet Structures **2**

Heat & Water Recycling Eco-Shower Structures **4**

Net-Zero Water-Recycling Eco-Bathroom Structures **2**

2 Public Events Spaces

10 Open Source Templates

Estimated Cost
\$849,000

Living Units in Clusters with Patio

Maximally space efficient eco-dome homes with central patios between and fold-up beds and desks, back-area changing space, and loft storage inside.



Heat-Recycling Eco-Showers

The heat-recycling eco-showers are designed to minimize both water and energy needs by innovative heat-recycling methods and maximization of user comfort and convenience during use.



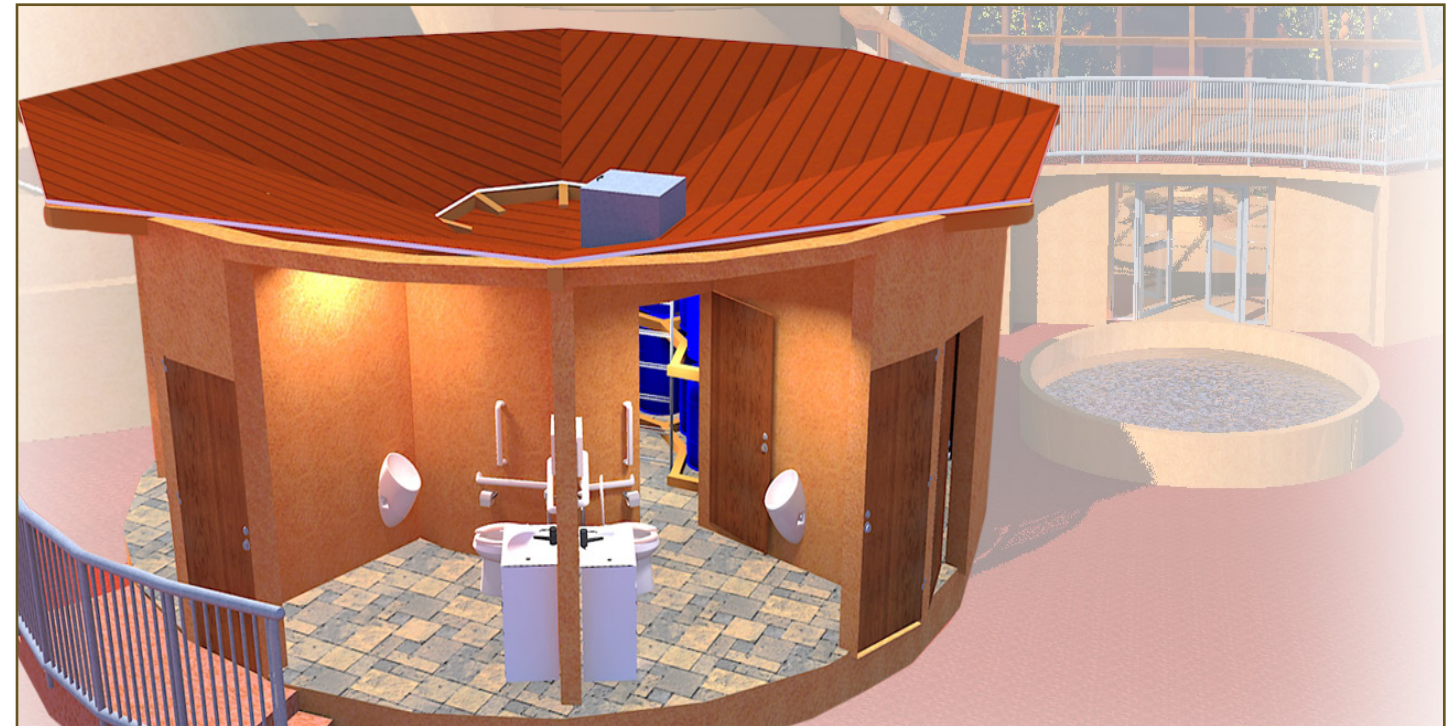
One-Acre Footprint

This village and each of the other 7 villages are designed to fit on a one-acre footprint to minimize land needs, reduce costs, and improve the efficiency of constructing and living in these villages.



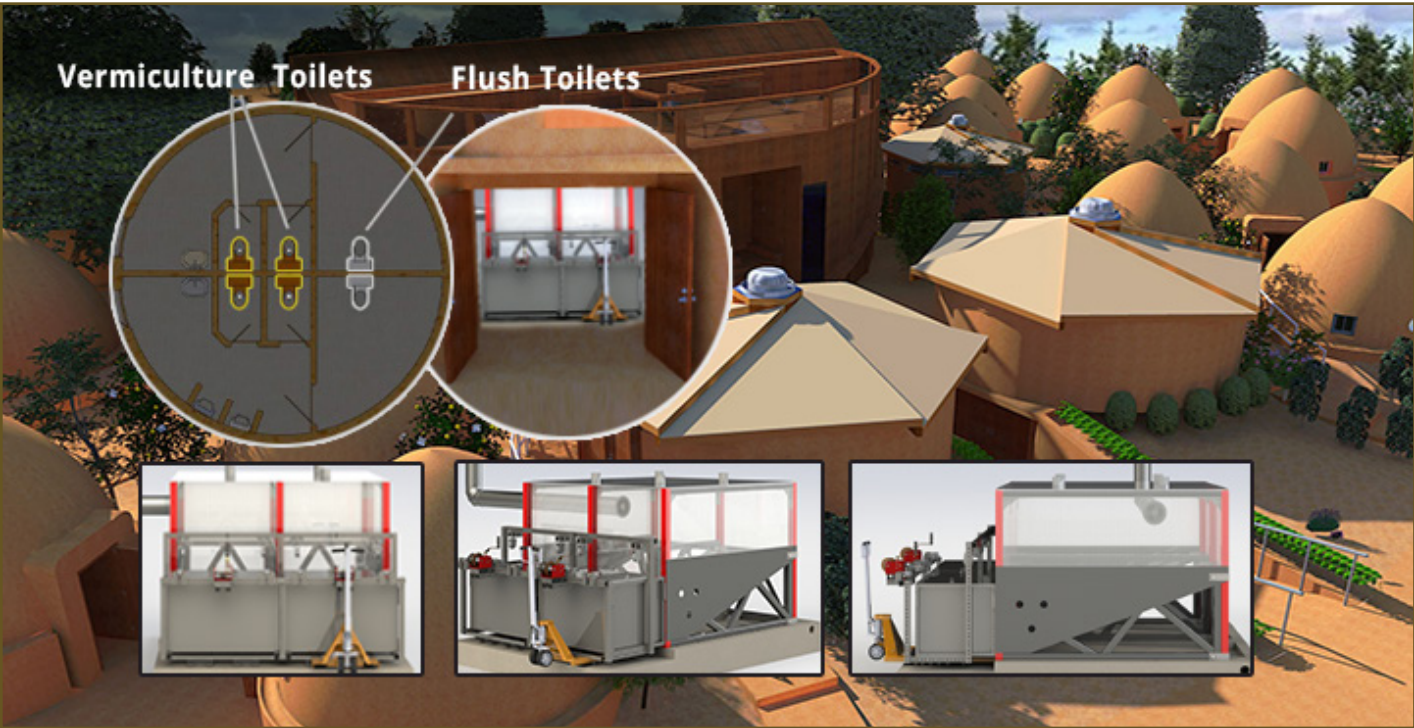
Net-Zero Water-Saving Bathrooms

Combines vacuum toilets and ultra-efficient sinks to use less water than other high-efficiency toilets and sinks. They also capture and store enough rainwater to meet 100% of their water needs.



Vermiculture Waste-Recycling Toilets

These toilets combine human-waste processing using worms (vermiculture) with a traditional toilet, urinals, and urine-separating toilet seats tied to a septic system to meet code requirements.



Do-It-Yourself Space-Maximizing Furniture

Three different open source furniture plans and layouts have been created to meet differing needs and provide a platform for further customization and individualization. *See pages 24-25 for more details*



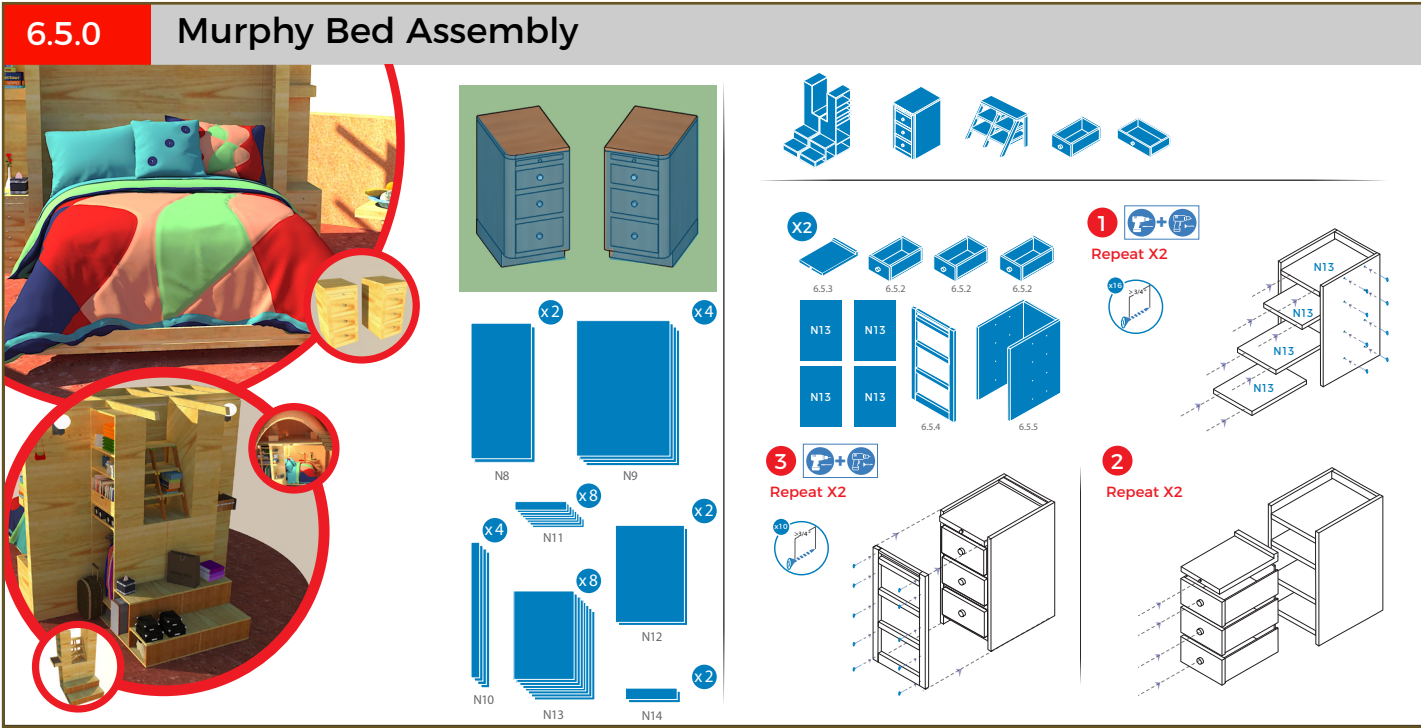
Transition Kitchen Designs

Open source temporary and remote-operation kitchen designs for feeding 50+ people while this village, the City Center permanent kitchen, and future villages are being completed.



Detailed Assembly Instructions for all Village Components

To make everything replicable, we are designing complete and detailed construction/assembly instructions for the furniture, structures, and all other components and subcomponents.



Living Dome Cluster

Five different earthbag construction cluster options are included in the Earthbag Village. These include a 3-dome cluster, 6-dome cluster, in-ground options, above-ground options, and wheelchair accessible designs. Each dome will function as a home and 3 different do-it-yourself custom furniture designs are being developed too. Both the 3-dome and 6-dome designs are also easily modifiable to create multi-room homes with a large central living space.



Murphy Bed Up with the Table Down

To maximize space efficiency, the DIY Murphy Bed designs fold up to reveal a fold-out desk below with additional fold-out tables and seating against the walls.



Murphy Bed with the Bed Down

Exterior Finish

May be varied as experimentation progresses and will allow for artistic customization.



Kids' Dome Design

The open source Kids' Dome Design is for families or separate replication as a playroom or guest house. It provides two beds, a movable ladder that accesses loft storage, built-in dressers and desks, and an open central play space.



Student Dome Design

The open source Student Dome Design offers everything the Kids' Dome Design offers and adds twin rolling file cabinets/storage units on wheels with folding tops that open to 2' x 2' table spaces so they can be moved anywhere for use. They each also have a locking cabinet door to secure personal belongings.

Structural

Detailed online and printable wall, window, door, foundation, and structural assembly and construction instructions.

Tropical Atrium

The central Tropical Atrium structure is purposed to create an aesthetically pleasing and multi-functional gathering space that also produces herbs and tropical fruit as part One Community's open source botanical garden model.

In addition to growing food and providing year-round recreation space, this structure is also designed to capture and reuse rainwater, demonstrate sustainable heating and cooling, pre-heat water to reduce the energy needs of the adjacent eco-shower structures, and be affordably constructed.

Learn more here:

www.OneCommunityGlobal.org/Tropical-Atrium

www.OneCommunityGlobal.org/Tropical-Atrium-Planting-and-Harvesting

www.OneCommunityGlobal.org/Botanical-Garden

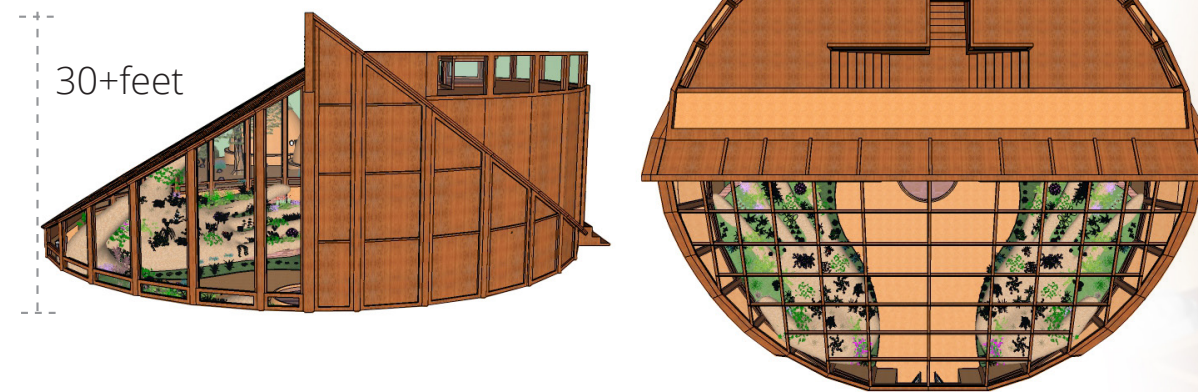
Community Function Space

Designed with an open central space large enough for recreational and/or educational classes of 30-50 people.



Atrium Dimensions

30+ feet tall by 60 feet wide



Hand-Shaped Sculpted Flower Beds

Artistic and functional hand designs provide terraces that maximize sunlight use and provide seating and beauty while the planting plan is being implemented.





Indoor Trees

Designed with 30+ feet of vertical growing space and a tree plan to fill and maximize the use and beauty of this space.

Rooftop Patio Area

North-side rooftop patio area for recreation, relaxation, and a sweeping view of the entire village.



Treetop Walkway

A treetop walkway with access from the North allows for additional social event viewing and easier roof maintenance and harvesting of treetop fruit.

Everything Open Sourced

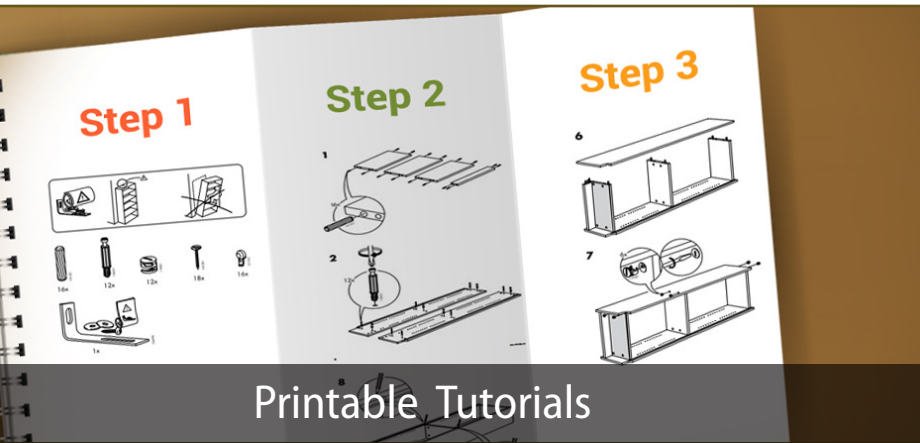
Just like with the City Center, all aspects of the Earthbag Village (and all other villages) are being open sourced specifically so others can easily replicate our designs or build their own creations using our designs for inspiration. The video tutorials, web-based tutorials, printable tutorials, ongoing FAQ updates, online problem-solving guides, and database for sharing the implementations and evolutions of others will cover all structural details, plumbing, electrical, HVAC, installation, maintenance, materials acquisition, labor/time investment details, tools and equipment needs, licensing and permitting, and more.

Here are some examples of this village's components included in this:

- ➔ [Tropical Atrium](#)
- ➔ [Eco-shower Structures](#)
- ➔ [Vermiculture Bathrooms](#)
- ➔ [Net-zero Water-saving Bathrooms](#)
- ➔ [Greywater Processing & Reuse](#)
- ➔ [Dome-home DIY Furniture](#)
- ➔ [Food Self-sufficiency Infrastructure](#)
- ➔ [Transition Kitchen Design & Setup](#)
- ➔ [Sustainable Energy Infrastructure](#)
- ➔ [Site Preparation & Maintenance](#)
- ➔ [Wildfire & Emergency Preparation](#)
- ➔ [Plastering, Sealing, & Weatherproofing](#)
- ➔ [Rainwater Collection and Storage](#)
- and more...

View the Online Open Source Hub:
www.OneCommunityGlobal.org/Earthbag-Village





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Septic Tank				\$1,900.00	\$1,900.00
Foundation				\$14,000.00	\$14,000.00
Concrete Flatwork	\$3,500.00	\$1,500.00	\$9,000.00	\$3,500.00	\$3,500.00
Framing				\$8,000.00	\$8,000.00
Roofing				\$2,250.00	\$2,250.00
Windows/Ext. Doors					
Garage Door					
Siding				\$18,500.00	\$18,500.00
Electrical				\$16,500.00	\$16,500.00
Plumbing				\$23,000.00	\$23,000.00
HVAC			\$1,000.00		\$1,000.00
Insulation	\$3,500.00			\$14,500.00	\$18,000.00
Interior Trim				\$13,500.00	\$13,500.00

Materials Costs & Acquisition Guides



Straw Bale Village

The Straw Bale Village is the second village that will be built and it will provide and open source a diversity of social, recreational, and community spaces. The theme of this village is “**Modularly-Expandable Community Housing**” with eleven planned recreational spaces and a focus on family-oriented social and recreational use. The complete structure is designed with multiple options for expansion and living units are easily modifiable to connect or separate rooms to create larger or smaller homes to meet evolving community and resident family needs.

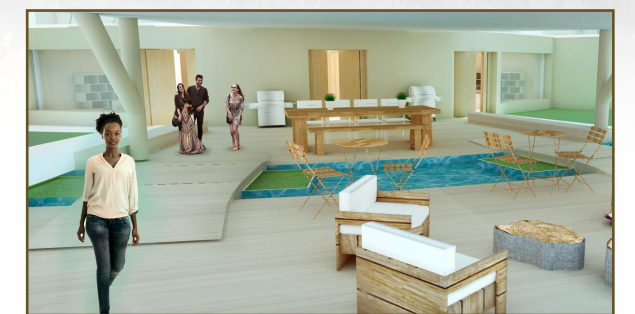
View the Online
Open Source Hub:
www.OneCommunityGlobal.org/Straw-Bale-Village

1ST FLOOR

Indoor Playroom



BBQ Area



Central Theater (Seating for 100+)



Outdoor Patio Balcony

Estimated Square Feet: 30,000 sq ft (2,787 sq meters)



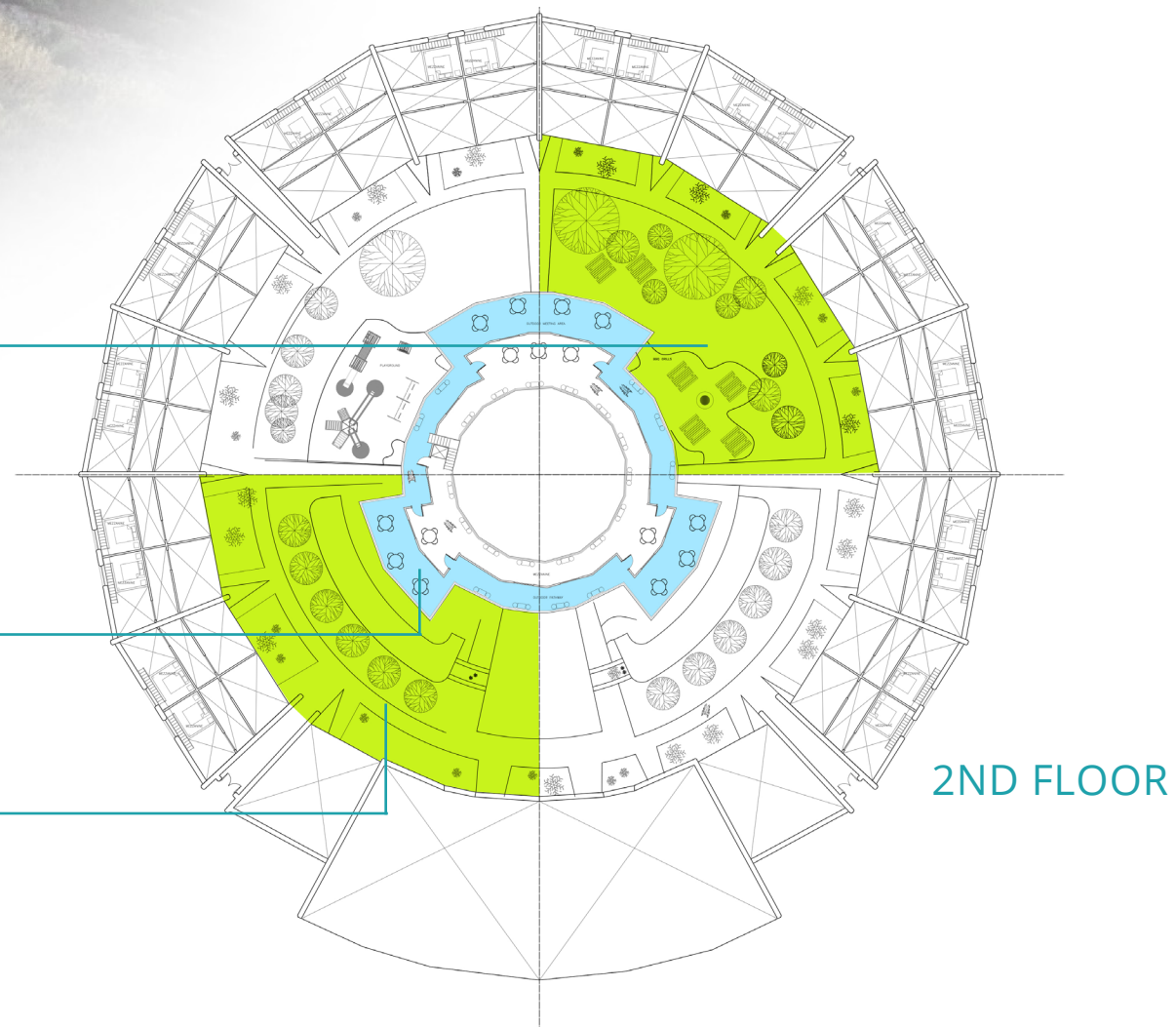
Apartment Section View

Showing entryway, downstairs studio living room, stairs to loft, and bathroom.

Outdoor Areas



Outdoor Pathways



Housing for **110**

Recreation Space for **500**

34 Living/Resident Units

18 Visitor/Guest Units

Dining for **200+**

Laundry for **300+**

11 Public Recreation Spaces

5 Group Meeting Spaces

17 Open Source Templates

Estimated Cost
\$2,557,000

Straw Bale Village Open Source Home Designs



Bathroom

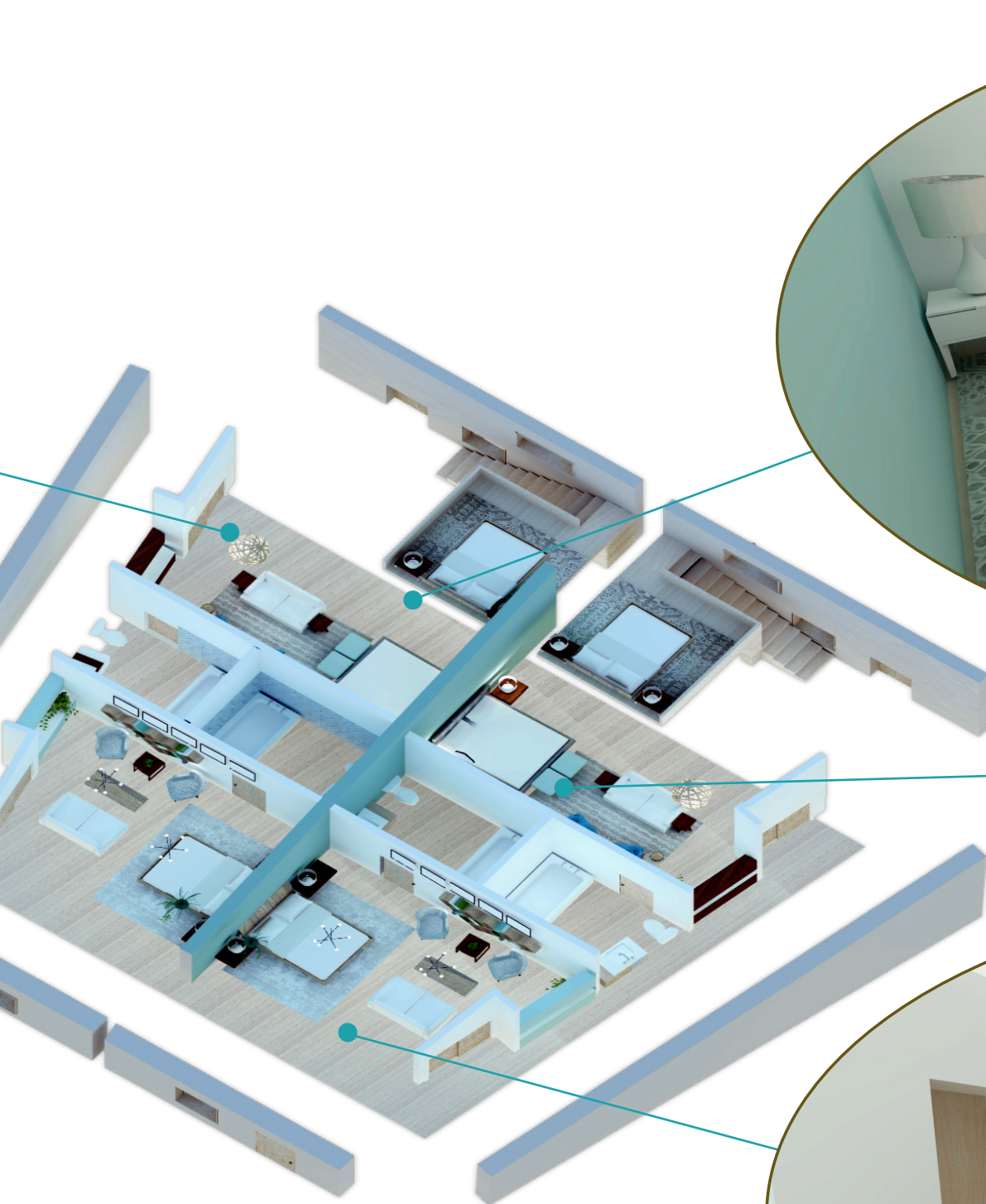


Apartment Living Room



Studio Bed View

Four-unit layouts are designed for easy conversion between 1, 2, 3, or even 4-bedroom layouts.



*Exploded view
of four residential
suites & lofts*



Apartment Loft



Apartment Bedroom



Studio Living Room View

Everything Open Sourced

The Straw Bale Village will open source all the same sustainability and infrastructure details as the Earthbag Village and City Center, plus a diversity of additional shared spaces. Residences will be open-source replicable as individual homes, the complete village, or even as components of much larger village designs.

Additional open source shared spaces will include:

- ➔ Gym
- ➔ Outdoor Playground
- ➔ Indoor Playground
- ➔ Game Room
- ➔ Library and Computer Room
- ➔ Outdoor Covered BBQ Area
- ➔ Central Theater
- ➔ Large-scale Kitchen
- ➔ Dining Areas
- ➔ Central Food Forest
- ➔ Eco-ponds

And more...

View the Online Open Source Hub:
www.OneCommunityGlobal.org/Straw-Bale-Village



Gym



Outdoor Playground



Indoor Playroom



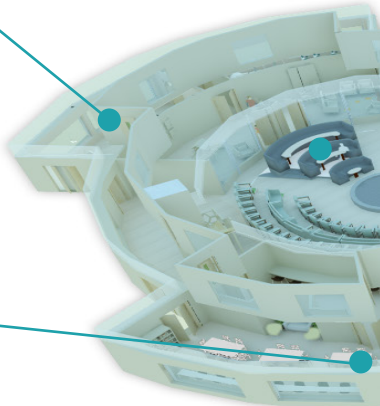
Game Room



Library



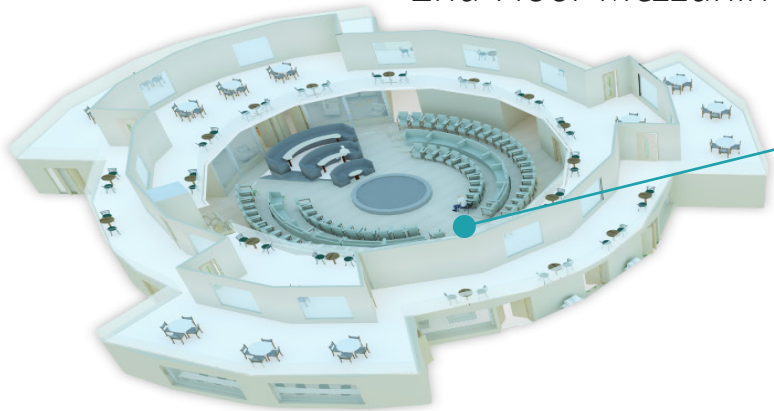
BBQ Area



1st Floor

Public Spaces

2nd-Floor Mezzanine



Central Theater



Chimney with Hood Down



Outdoor Patio

Kitchen



Outdoor Area



Dining Area



Dining Area Atrium



Cob Village

The Cob Village will provide 20 resident units and eight visitor units with a social/recreational developmental focus of artistic and creative expression, providing a central playhouse and presentation structure and four different wings dedicated to art and creativity. The theme of this village is **"Artistic and Creative Expression"** and each wing will feature a different large-scale maker space and a separate large-scale social and recreation space. The village will house 30-50 people, and all aspects will be open source shared with the same scope and details as the other villages.

View the Online Open Source Hub: www.OneCommunityGlobal.org/Cob-Village

Estimated Square Feet: 40,000 (3,716 sq meters)



Open Source Outdoor
Social & Recreation Spaces
and Components

4 Residential
Unit Layouts



Wood Maker
Space

Metal & Glass
Maker Space

Three-Level
Dining
Area

Playgrounds

Painting, Masonry,
& Pottery Maker
Space

Weaving &
Textile Maker
Space



Recreation Spaces



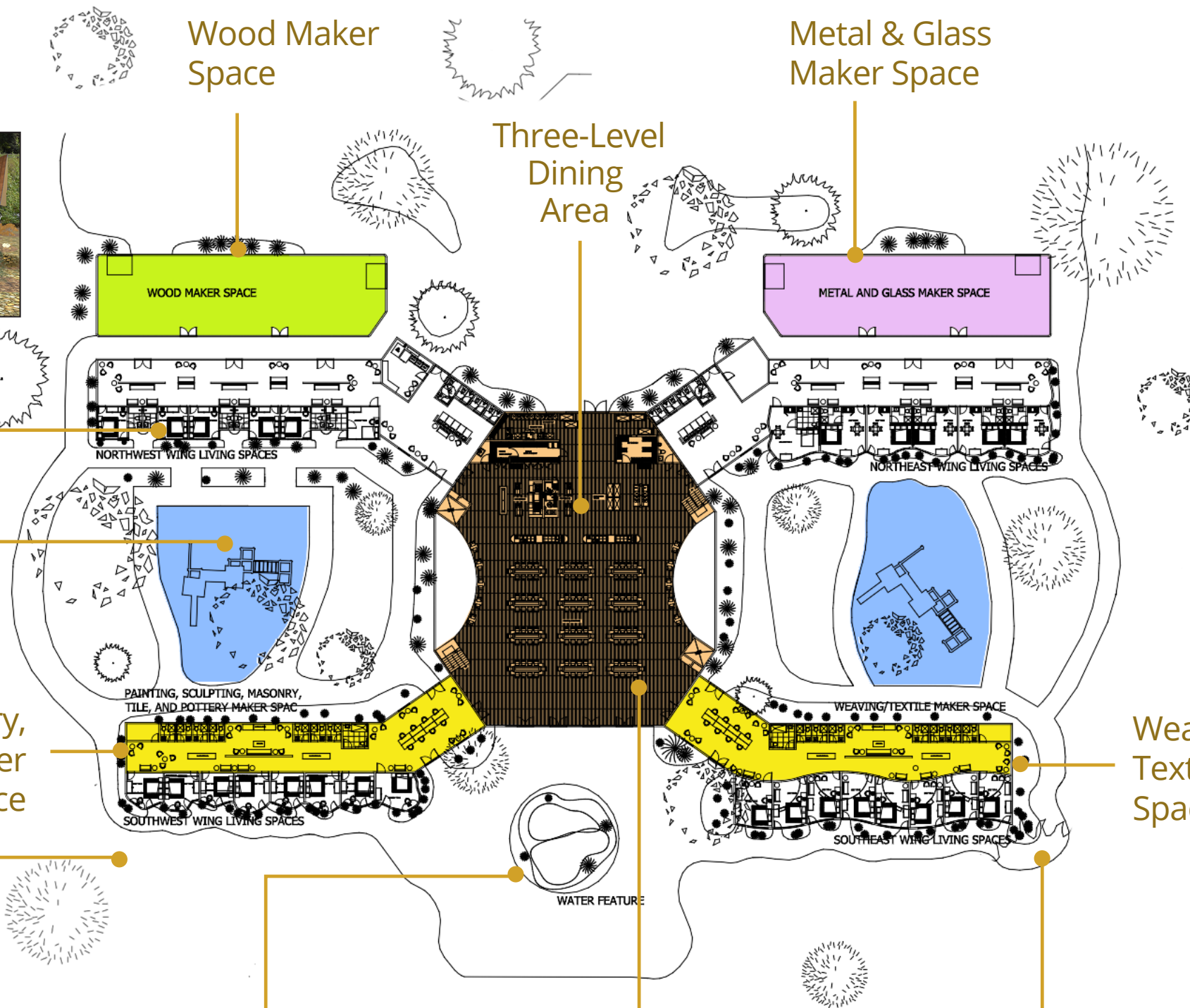
Front Entertainment Area



Rooftop Dining Area



Social Spaces



Housing
for **50+**

Convention
Space for **200+**

20 Living/Resident
Units

8 Visitor/Guest
Units

Dining
for **200+**

Laundry
for **300+**

14 Public Recreation
Spaces

4 Large-scale
Maker Spaces

12 Open Source
Templates

Estimated Cost
\$3,079,000

Cob Village Open Source Home Designs

Southeast Wing



Loft



Loft



Southwest Wing



Northwest Wing



Northeast Wing



Everything Open Sourced

The Cob Village will open source all the same sustainability and infrastructure details as the other villages, plus a diversity of additional shared spaces. Residences will be open-source replicable as individual homes, the complete village, or even as components of much larger village designs.

Additional open source shared spaces will include:

- ➔ 4 Residential Unit Layouts
- ➔ 2 Open Source Playgrounds
- ➔ Central Dining Area
- ➔ Painting, Masonry, and Pottery Maker Space
- ➔ Metal and Glass Maker Space
- ➔ Wood Maker Space
- ➔ Weaving and Textile Maker Space
- ➔ Outdoor Social Spaces
- ➔ Rooftop Dining Area
- ➔ Front Entertainment Area
- ➔ Outdoor Recreation Spaces

And more...

View the Online Open Source Hub:
www.OneCommunityGlobal.org/Cob-Village



First-Floor & Loft Dining & Recreation Space

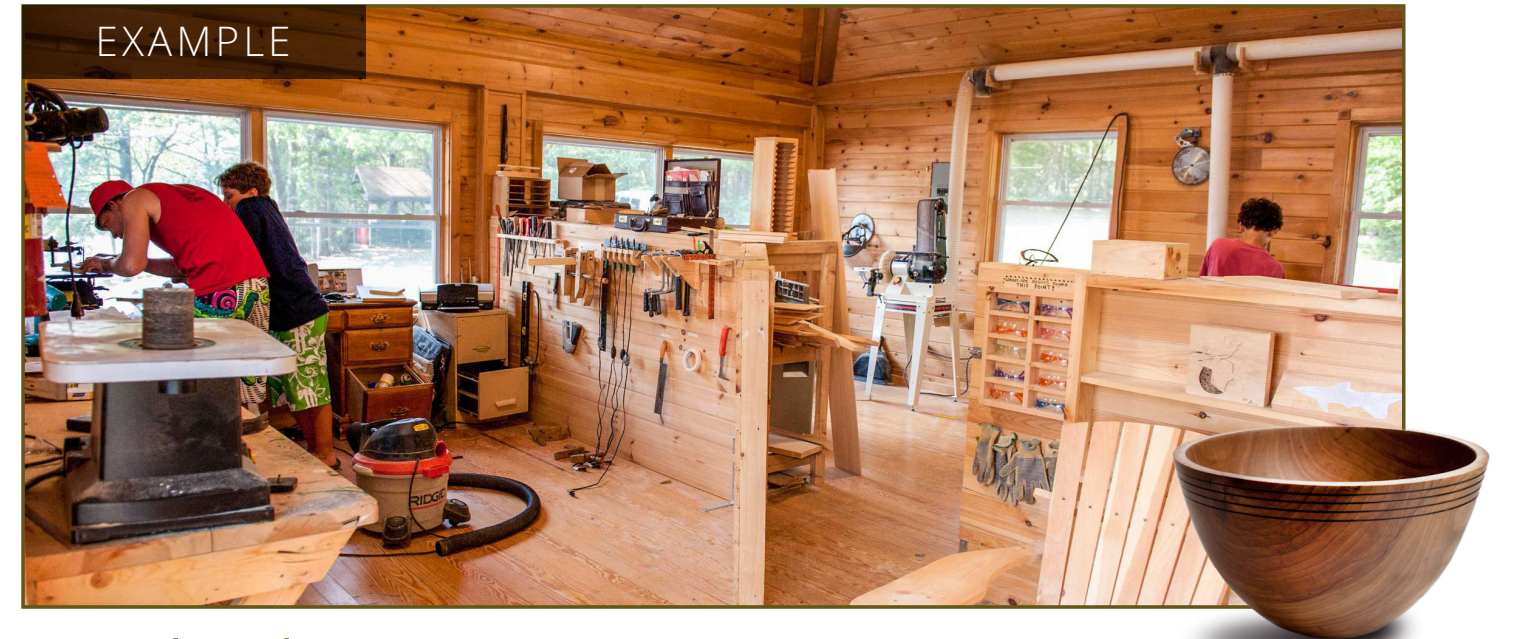
Large-scale dining and seating for 200+ people with two stages for presentations of artistic creations, dance, comedy, theater, etc.

Cob Village Maker Spaces



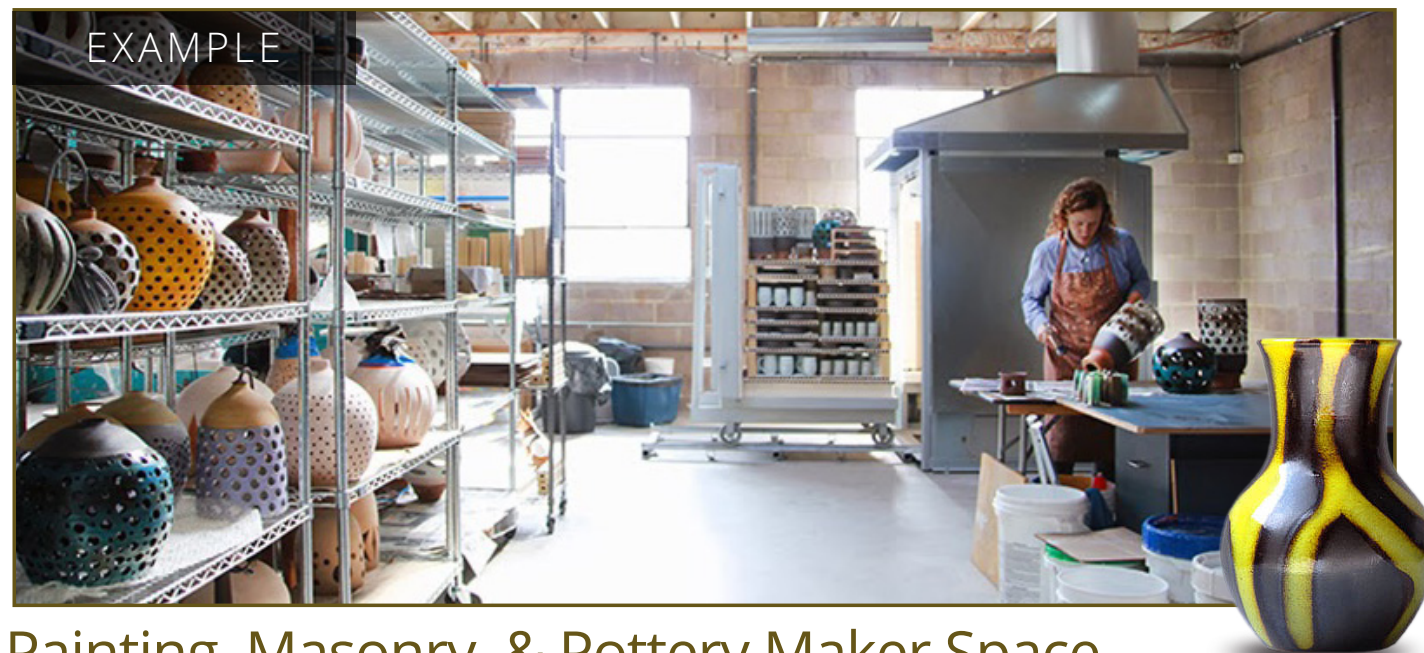
Metal & Glass Maker Space

This maker space will add to our upcycling of metal and glass and allow us to open source designs and classes for making and repairing our own machinery and equipment parts, furniture, art, dishware, and more.



Wood Maker Space

This maker space will expand our upcycling and repair ability for wood items while also providing everything we need to open source designs and classes for furniture, art pieces, high-quality and sustainable custom trim, molding, etc.



Painting, Masonry, & Pottery Maker Space

This maker space will allow us to make and open source sculpted and painted art, pottery, tiles, etc. We will also teach and open source related classes.

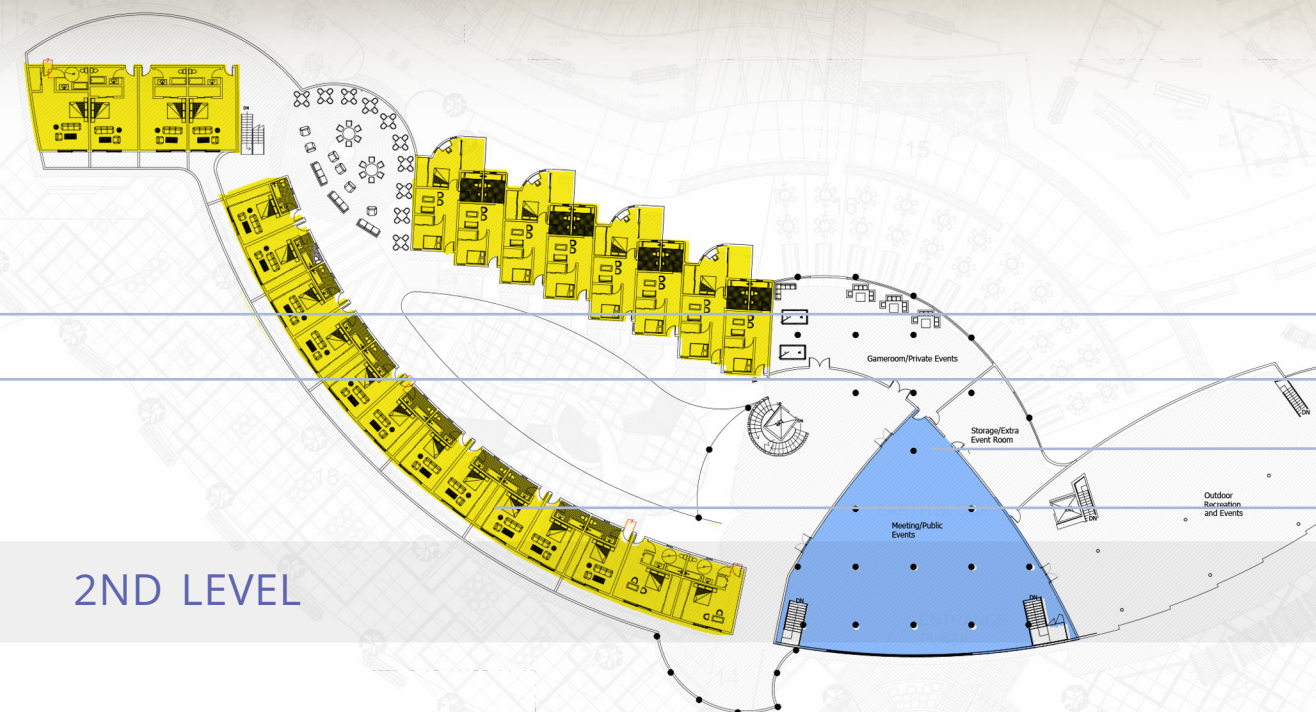
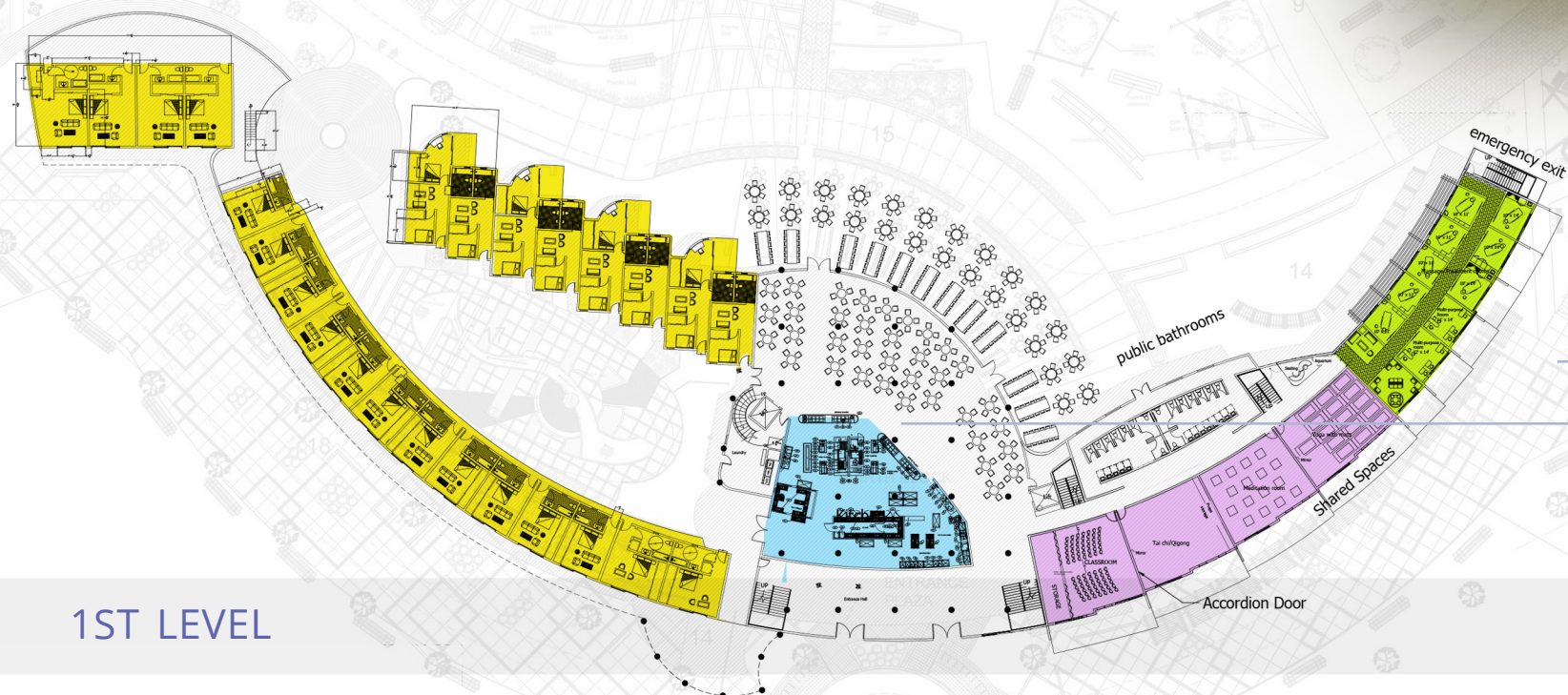


Weaving & Textile Maker Space

This maker space will allow us to make our own clothing, bedding, custom drapes, etc. We will also teach and open source classes related to these areas.

Compressed Earth Block Village

The Compressed Earth Block Village is the fourth planned village and will open source the durability, affordability and creative potential of earth block construction. The theme of this village is **"Health and Wellness"** and it will offer holistic health treatment rooms and classes, several open source residence designs, and extensive earth block landscaped areas for social, recreational, and relaxation use. View the Online Open Source Hub: www.OneCommunityGlobal.org/Compressed-Earth-Block-Village



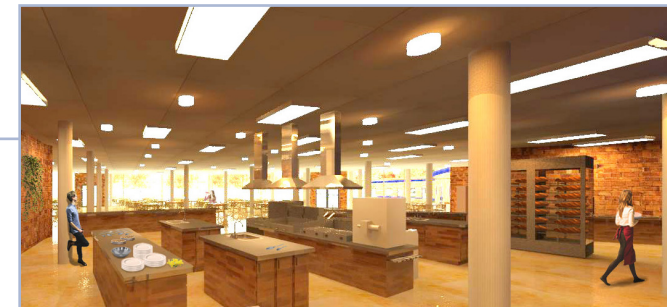
Estimated Square Feet: 43,600 (4050 sq meters)



ROOF LEVEL



Massage & Spa Rooms



Central Kitchen



Larger Open-Room Events Space



Residential Suites (2 levels)

Housing for **120+**

Convention Space for **1000+**

35 Living/Resident Units

15 Visitor/Guest Units

Dining for **200+**

Laundry for **300+**

16 Public Recreation Spaces

10 Treatment Rooms

30 Open Source Templates

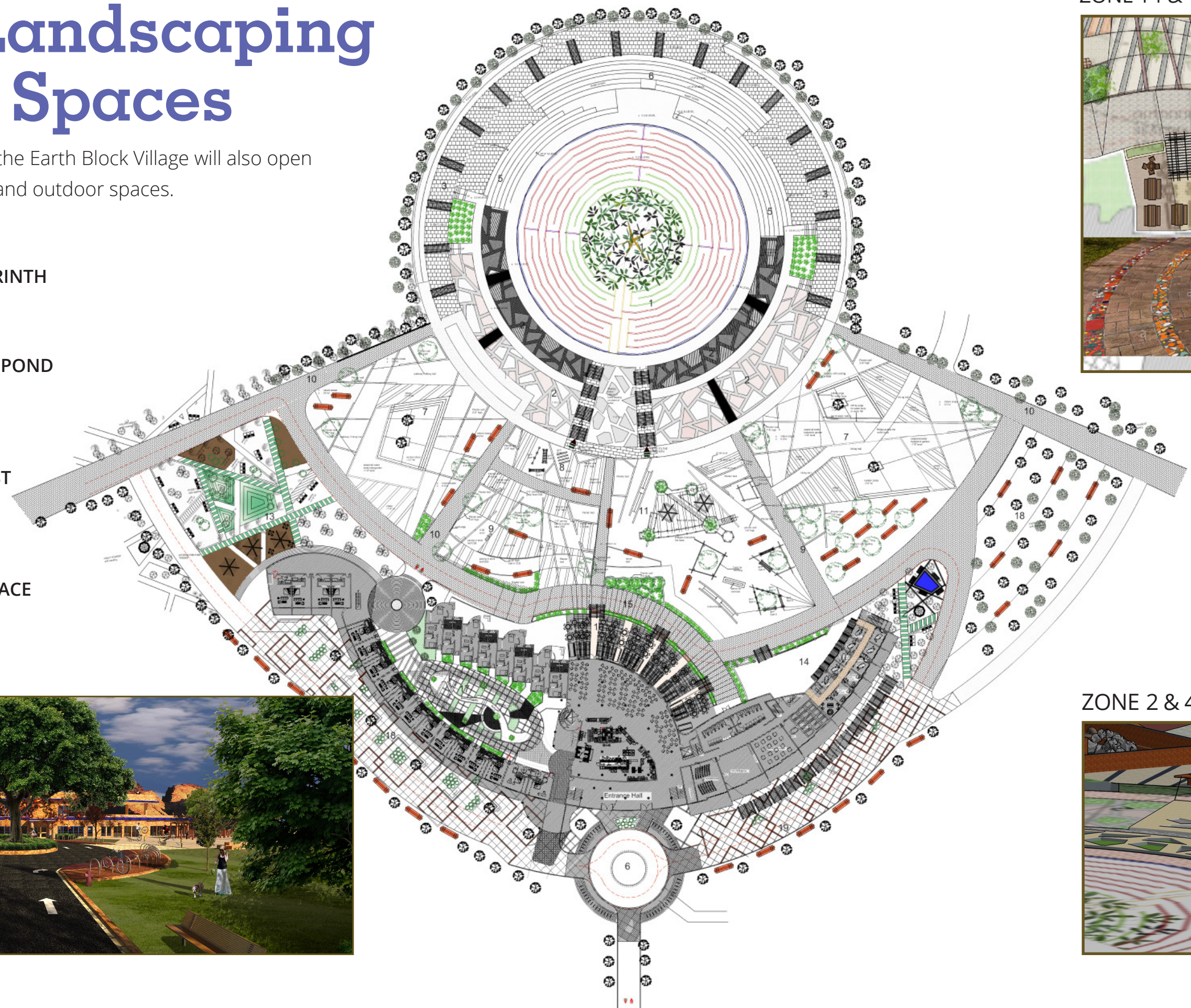
Estimated Cost
\$4,200,000

Earth Block Landscaping and Outdoor Spaces

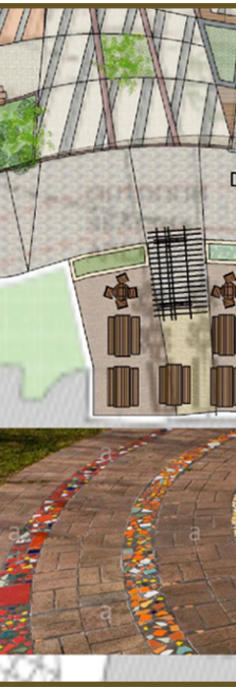
In addition to the earth block structure itself, the Earth Block Village will also open source a diversity of earth block landscaping and outdoor spaces.

- ZONE 1: LABYRINTH
- ZONE 2: NORTH JAPANESE ROCK GARDENS
- ZONE 3: ELEVATED WALKWAY AROUND LABYRINTH
- ZONE 4: FLOATING ROCK GARDEN
- ZONE 5: AMPHITHEATER
- ZONE 6: VILLAGE ENTRANCE
- ZONE 7: RELAXATION SPACE WITH SEASONAL POND
- ZONE 8: SUNKEN PLAZA
- ZONE 9: YOGA AND GYM
- ZONE 10: HIKING TRAILS
- ZONE 11: PLAYGROUND AND EXERCISE ZONE
- ZONE 12: WEST LILY POND WITH FOOD FOREST
- ZONE 13: EAST FOOD FOREST
- ZONE 14: OUTDOOR SPA
- ZONE 15: DRIVEWAY
- ZONE 16: OUTDOOR CAFETERIA
- ZONE 17: CENTRAL KIDS AND RELAXATION SPACE
- ZONE 18: WEST FOOD FOREST
- ZONE 19: ACTIVITIES ZONE

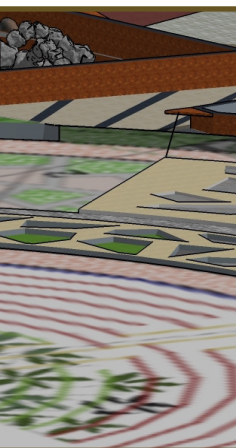
ZONE 6 – Village Entrance



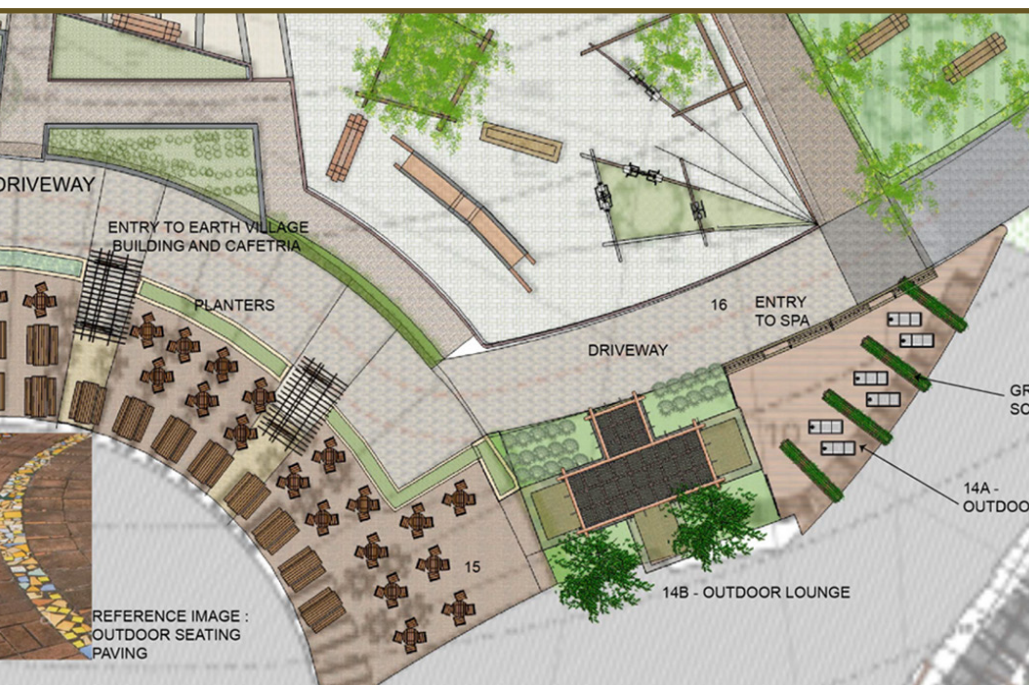
ZONE 14 & 16



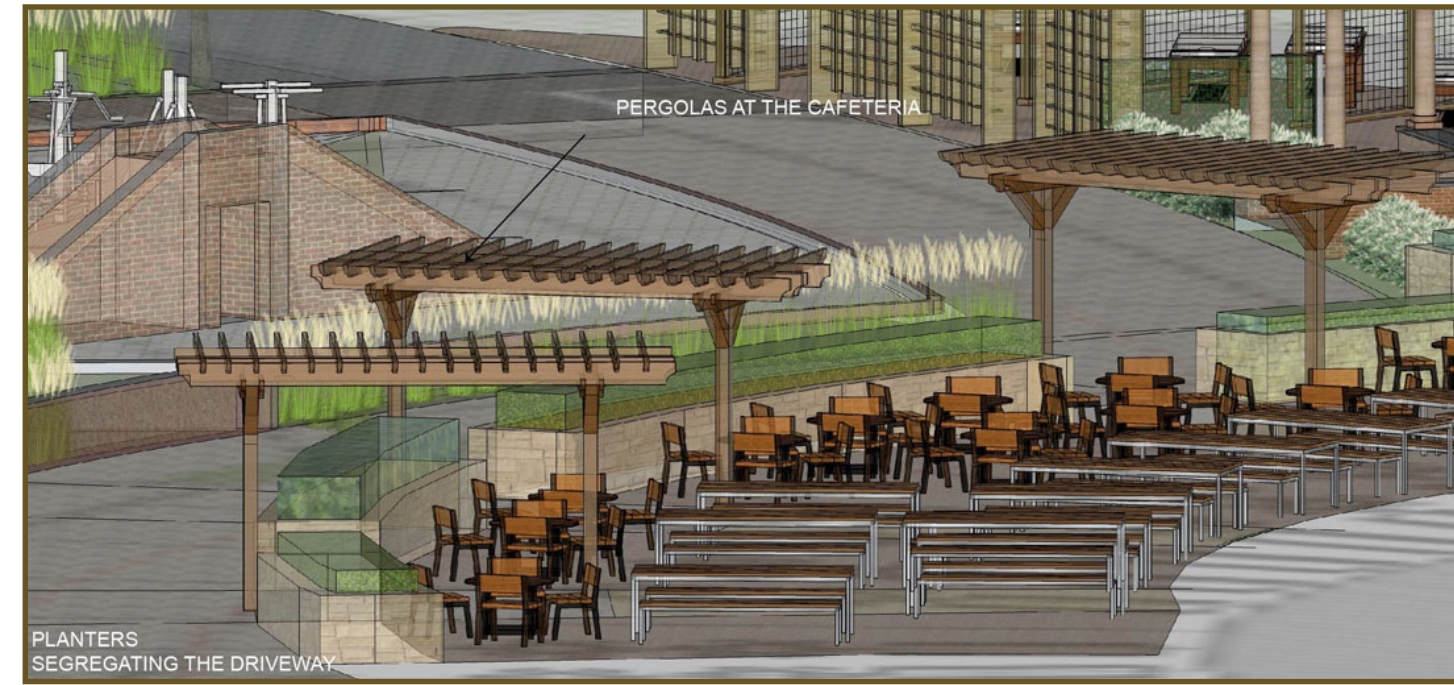
ZONE 2 & 4 –



– Outdoor Cafeteria & Spa Area



ZONE 16 – Outdoor Cafeteria with Earth-Brick Paving & Ceramic Tiles



ZONE 14 – Green Screen Separators Between Massage Stations & Other Areas of Village



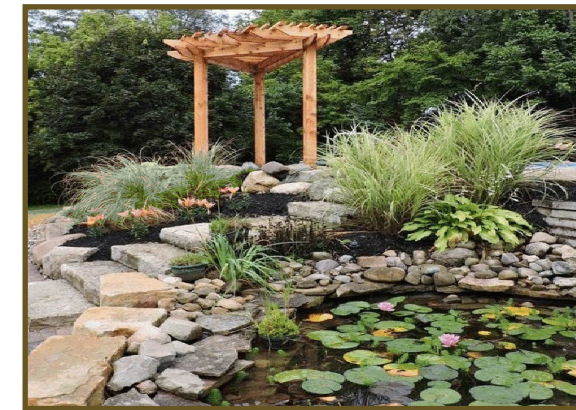
ZONE 7 – Rock Garden & Seasonal Pond



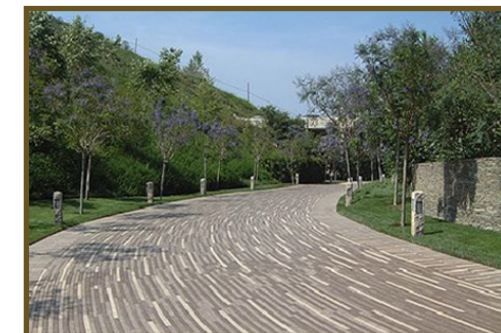
ZONE 14 – Lounging Area & Outdoor Spa



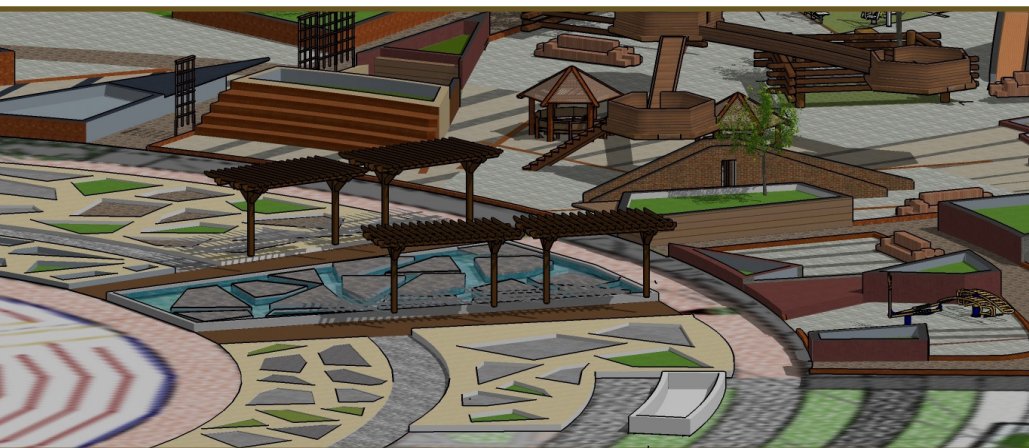
ZONE 12 – Ponds & Food Forest



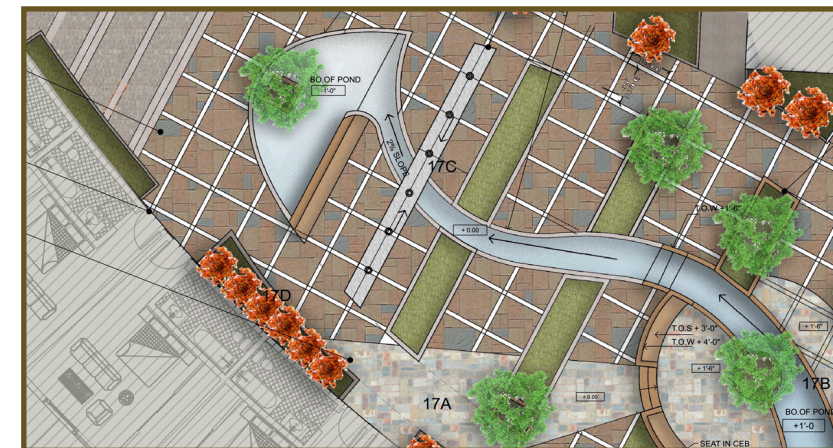
ZONE 15 – Driveway with Earth-Brick Pavers



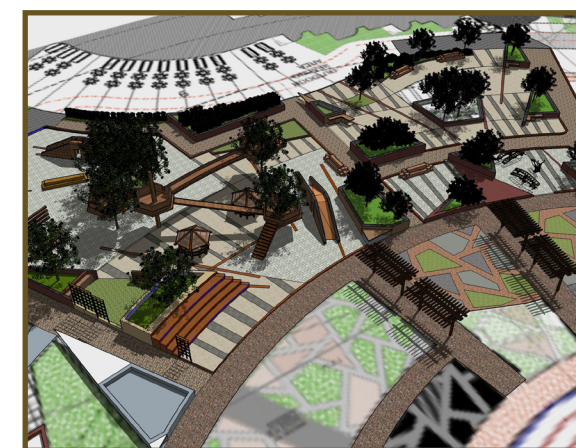
Japanese Rock Garden & Covered Trellis Pathways



ZONE 17 – Central Relaxation & Kids' Play Area



ZONE 11 – Plygrnd & Ex. Area



ZONE 5 – Amphitheater



Everything Open Sourced

The Earth Block Village will open source all the same sustainability and infrastructure details as the City Center and Earthbag Village, plus a diversity of additional shared spaces. Residences will be open-source replicable as individual homes, the complete village, or even as components of much larger village designs.

Additional open source shared spaces will include:

- ➔ Residential Spaces
- ➔ Indoor Classrooms
- ➔ Indoor Offices
- ➔ Indoor Massage Rooms
- ➔ Large-scale Kitchen
- ➔ Indoor Event and Meeting Spaces
- ➔ Game Lounge
- ➔ Outdoor Playground
- ➔ Earth Block Meditation Labyrinth
- ➔ Earth Block Amphitheater
- ➔ Earth Block Japanese Gardens
- ➔ All Other Earth Block Landscaping Elements

And more...

View the Online Open Source Hub:
[www.onecommunityglobal.org/
compressed-earth-block-village](http://www.onecommunityglobal.org/compressed-earth-block-village)

Resident & Visitor Housing



ADA Compliant Housing



Earth Block Residences, Classrooms, and Public Spaces

Events, Education, & Exercise Classrooms



Office Spaces & Consultation Rooms



Large-Scale Kitchen & Dining Hall



Massage & Therapy Room



Second-Floor Main Events & Meeting Space



Second-Floor Game Lounge & Meeting Space



Rooftop Recreation Area



Container Village

Estimate

The Shipping Container Village is being designed as a 3-story and semi-subterranean living option purposed to demonstrate the **affordability, beauty, and energy and materials efficiency of stacked shipping container construction**. We will open source this building method in complete detail along with 5 different shipping container housing options and a diversity of shipping container recreation and social spaces.

The theme of this village is **"Business and Entrepreneurial Development."** In addition to sharing this as a sustainable commercial and residential construction option, we are building this village to host conventions, business retreats, and other entrepreneurially related events. By doing this, we hope to engage a demographic that might not normally visit a sustainability project like One Community.

View the Online Open Source Hub:

www.OneCommunityGlobal.org/Shipping-Container-Village



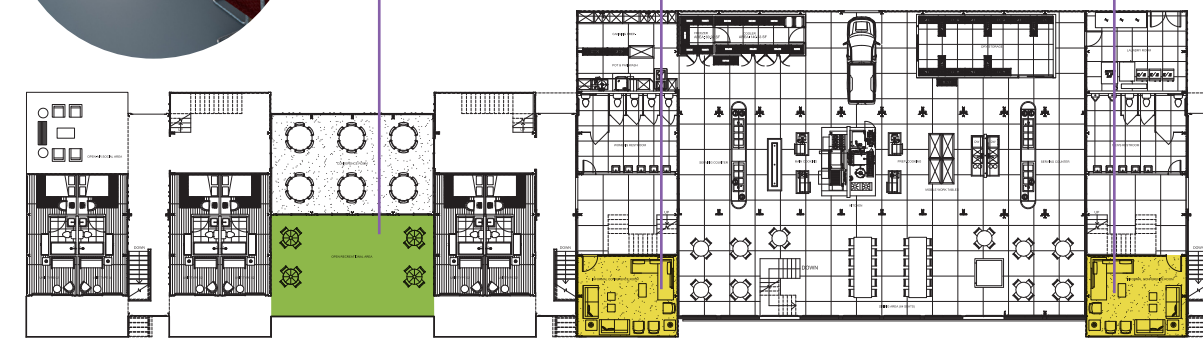
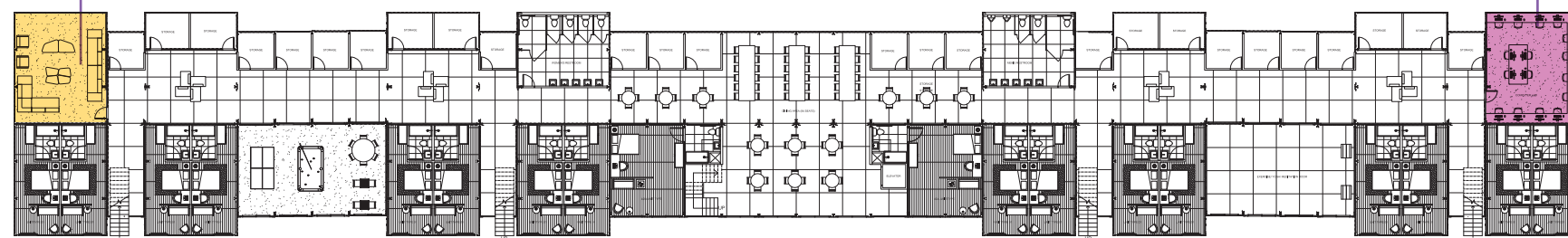
Multimedia Center



Computer Lab

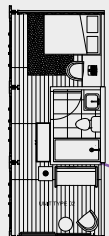
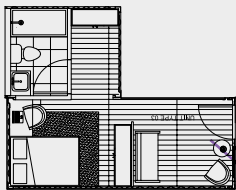
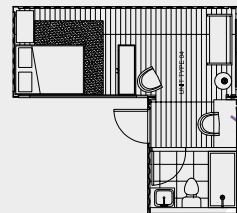


A Diversity of Social Areas

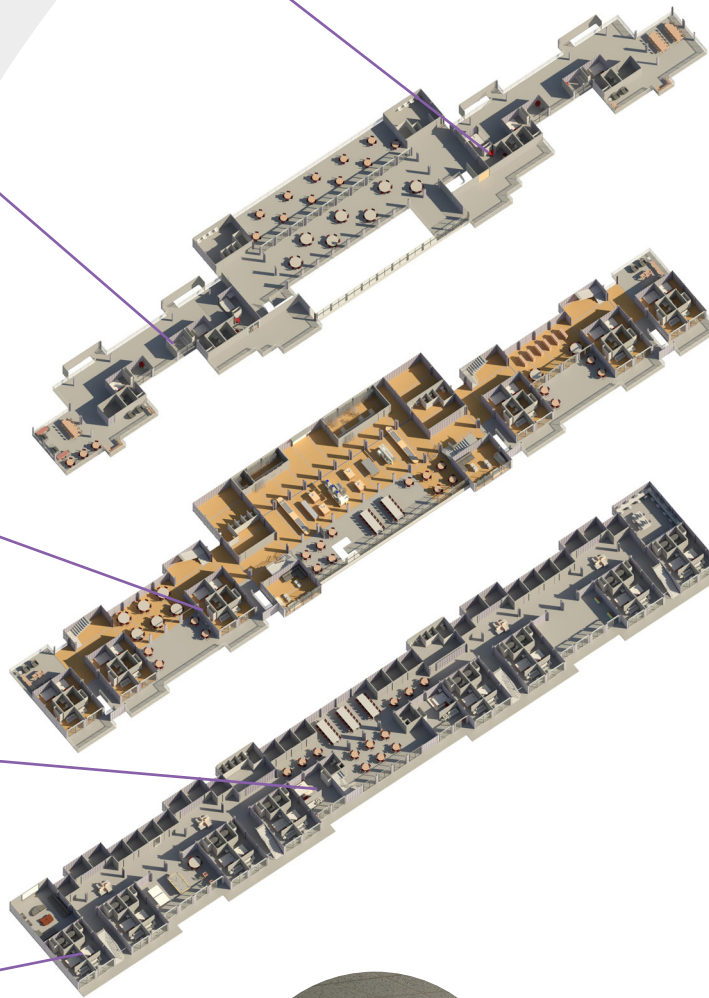
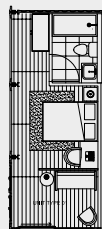
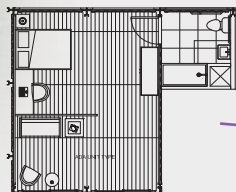


ed Square Feet: 45,260 (4,205 sq meters)

5 different room
floor plans will be
demonstrated.



ADA Compliant



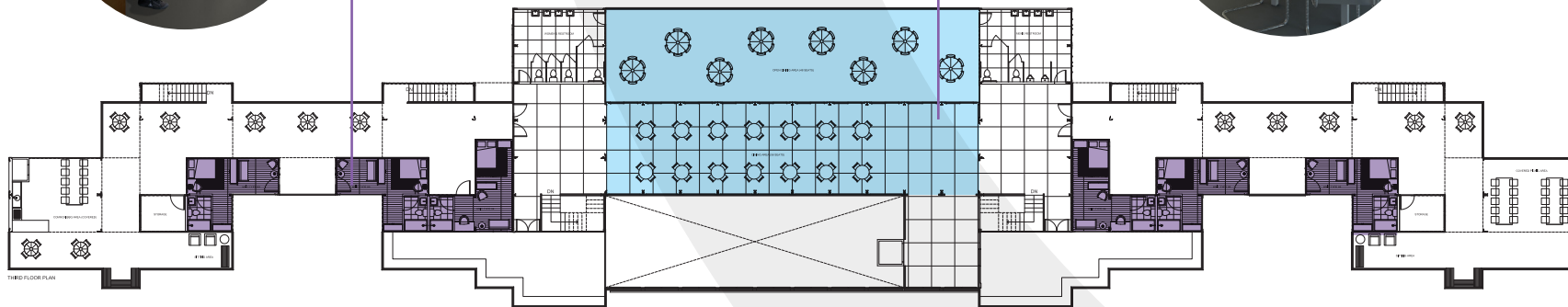
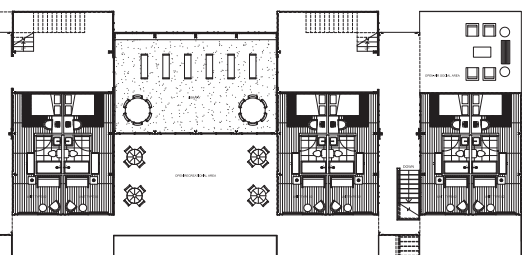
Conference
Rooms



36 Resident
& Visitor
Suites



Convention
Dining



Housing
for **80+**

Convention
Space for **200+**

24 Living/Resident
Units

12 Visitor/Guest
Units

Dining
for **200+**

Laundry
for **300+**

18 Public Recreation
Spaces

7 Professional
Meeting Spaces

12 Open Source
Templates

Estimated cost
\$1,554,000

Outdoor Meeting Areas

A short enough walk from the kitchen to be convenient, but long enough to provide semi-privacy for those who want it while dining or socializing.



Informal Conference Room

South-facing views and purposed for catered business events and resident social events, movie nights, or other activities.



Computer Lab

Purposed for work, recreation, and collaboration on the ongoing open-source-creation and One Community multimedia sharing process.



Conference Dining on Three Floors

A large-scale kitchen capable of feeding 200+ people at a time and three floors of seating and conference options.



Game Room

Designed to provide a pool table, ping pong, foosball, board games, and tables for recreation and socialization.



Library

A library, learning, and recreation space for educational classes, seminars, and relaxation. It will offer books, games, and other resources for business and recreation.



Yoga Room

Provides yoga, dance, and other exercise, recreation, and socialization space with maximum natural lighting and easy access for group gatherings.



Lobbies and Corridors

Lobbies and circulation areas are designed to offer seating for recreation and socialization. They will also feature decorative and informative wall art.



Everything Open Sourced

The Shipping Container Village will open source all the same sustainability and infrastructure details as the previous villages, plus a diversity of additional shared spaces. Residences will be open-source replicable as individual homes, the complete village, or even as components of much larger village designs.

Additional open source shared spaces will include:

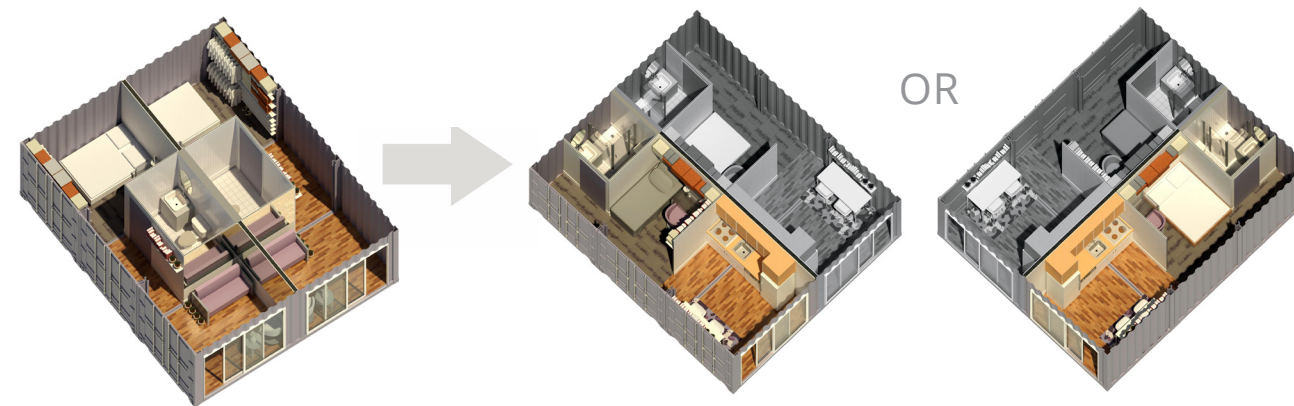
- ➔ 5 Different Residence Layouts
- ➔ Conference Rooms
- ➔ Commercial-sized Kitchen
- ➔ Computer Lab
- ➔ Media Room
- ➔ Game Room
- ➔ Library
- ➔ Outdoor Recreation Spaces

And more...

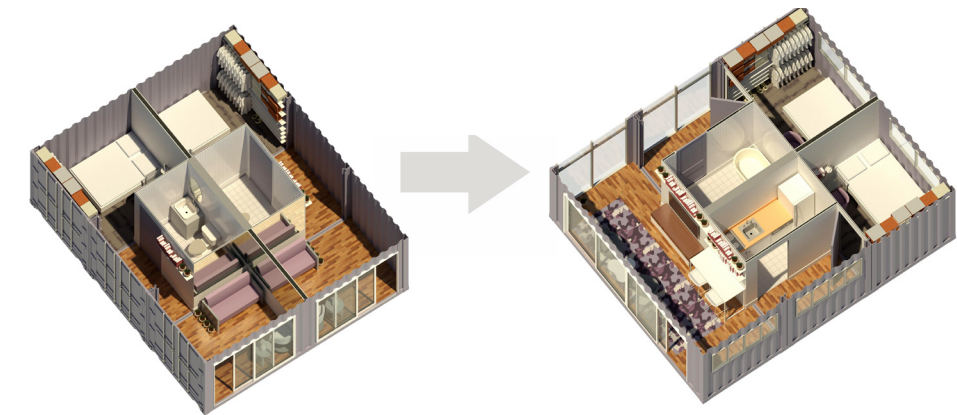
View the Online Open Source Hub:
www.OneCommunityGlobal.org/Shipping-Container-Village

ALL VILLAGE LAYOUTS ARE CONVERTIBLE FOR PERSONAL USE/STAND-ALONE USE

UNIT 1 CONVERSION



UNIT 2 CONVERSION



UNIT 3 & 4 CONVERSION



Front Perspective - Looking Northeast



Front Perspective - Looking North



Housing Layout 1 - Looking North



Layout 1 - Looking South



Layout 2 - Front Area



Recycled Materials Village

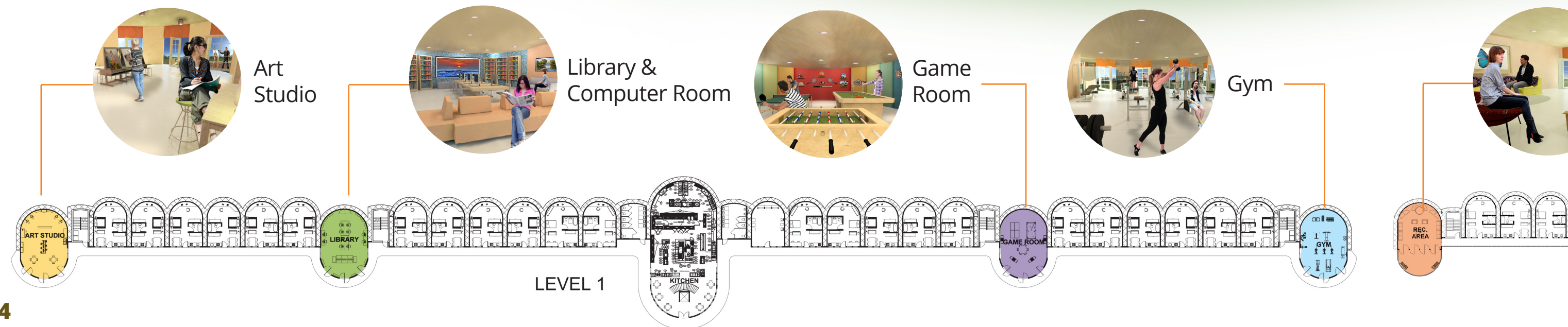
The Recycled Materials Village will share how to build safely, affordably, and efficiently with maximum use of reclaimed/recycled materials. As the 6th village to be built, the theme of this village is **"Personal Enrichment and Expression"** and we will use recycled materials to create and open source a broad diversity of indoor and outdoor social, recreational, and artistic components in addition to the housing. We will also open source our strategies for maximum reuse of construction materials, the best ways to acquire recycled/reclaimed materials, and how to use these materials to improve upon all the construction, waste processing, water recycling, and other sustainable elements from the previous 5 villages.

View the Online Open Source Hub:

www.OneCommunityGlobal.org/Recycled-Materials-Village



Estimated Square





Feet: 45,000 (4,180 sq meters)



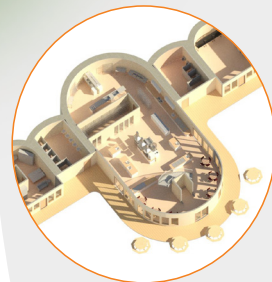
Residential Suites
(47 total)



Indoor Event
Dining for 150+



Laundry
for 300+



Kitchen
for 200+



Rec
Area



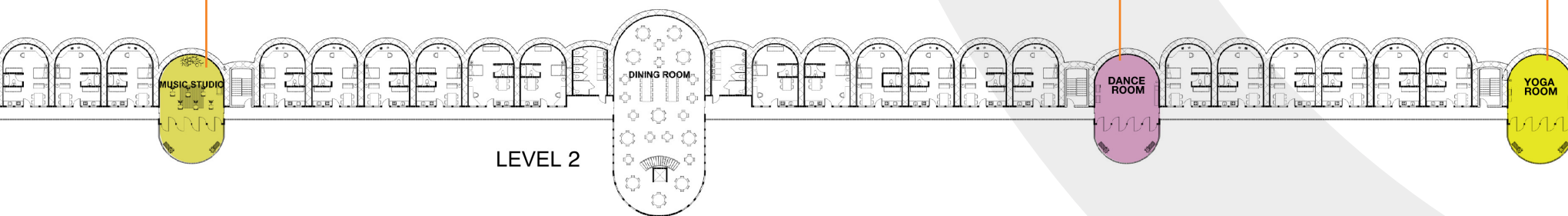
Music
Studio



Dance
Studio



Yoga
Studio



Housing
for **100+**

30 Living/Resident
Units

17 Visitor/Guest
Units

Dining
for **200+**

Laundry
for **300+**

14 Public Recreation
Spaces

6 Professional
Meeting Spaces

50 Open Source
Templates

Estimated cost
\$3,590,000

Recreation Area

A second-floor recreation space designed with an open floor plan and large enough to host classes, coffee and tea socials, meetings, and other group activities and events.



Music Studio

A large and mostly open second-floor music room and studio for group classes, recreational jam sessions, resident recitals, private music events like birthday parties, and live-music public events.



Art Studio

A first-floor art studio large enough to host art classes and with an expansive and similarly themed outdoor area for outdoor art and hosting even larger classes and art events.



Library & Computer Room

A first-floor library and computer room for study, recreation and relaxation with an outdoor extension of this area that will offer additional seating, relaxation spaces, and outdoor plug-ins for computers.



Yoga Studio

A second-floor yoga and meditation room designed as an additional recreation and social space that can be used for events, classes, meetings, and other public and private offerings too.



Dance Studio

A second-floor dance studio with hardwood floors for dance classes, exercise classes, dance-related social events, and usable as needed for additional public and private offerings also.



Game Room

A first-floor game room with pool table, foosball, ping pong, tables and board games, an outdoor extension with a children's playground, obstacle course, and a diversity of other outdoor games.



Gymnasium

A first-floor gymnasium with cardio and weightlifting equipment and a variety of additional cardio, weightlifting, sporting and exercise options to choose from outside as well.



Everything Open Sourced

The Recycled Materials Village will open source all the same sustainability and infrastructure details as the previous villages, plus a diversity of additional shared spaces. Residences will be open-source replicable as individual homes, the complete village, or even as components of much larger village designs.

Notable open source contributions from this village will include replicable recycled-materials designs for:

- ➡ Personal-residence Construction
- ➡ Commercial-sized Kitchen
- ➡ Commercial-sized Dining
- ➡ Indoor Art Space
- ➡ All Outdoor Art Space Elements
- ➡ Indoor Library/Reading Space
- ➡ All Outdoor Library/Reading Space Elements
- ➡ Indoor Game Space
- ➡ All Outdoor Game Space Elements
- ➡ Indoor Gym
- ➡ All Outdoor Gym Elements

View the Online Open Source Hub:
www.OneCommunityGlobal.org/Recycled-Materials-Village

Residential Studios on Two Floors



Interior of residential studio showing desk & living area



Interior of residential studio showing kitchen area

Open source recycled-materials extensions of all indoor spaces for outdoor socialization, recreation, art, exercise, etc.



Outdoor Art Area: An extension of the indoor area featuring spaces for creating and sharing art, hosting outdoor art classes, and more.



Outdoor Library/Reading Area: An area featuring an outdoor book exchange and a diversity of seating options for recreation and relaxation.



Outdoor Game Area: Recycled-materials obstacle courses and games like bowling, dominoes, checkers, scrabble, chess and more.



Outdoor Exercise Area: An extension of the indoor gym designed to offer outdoor exercise equipment & sustainably designed sporting areas.

Tree House Village

Estimated Square F

The final planned village of the first 7, the Tree House Village is intended to demonstrate an off-ground and low-footprint, low-impact housing approach to sustainable living in the trees. The theme of this village is "[Eco-expressionism](#)" and we intend to use this village to demonstrate a unique win-win living experience for both people and a forest environment. In so doing, our desire is to expand the viewpoint of the general population for what is possible with eco-artistic sustainable housing and the benefits it provides for both society and the planet. View the Online Open Source Hub: www.OneCommunityGlobal.org/Tree-House-Village



Group Kitchens (2)



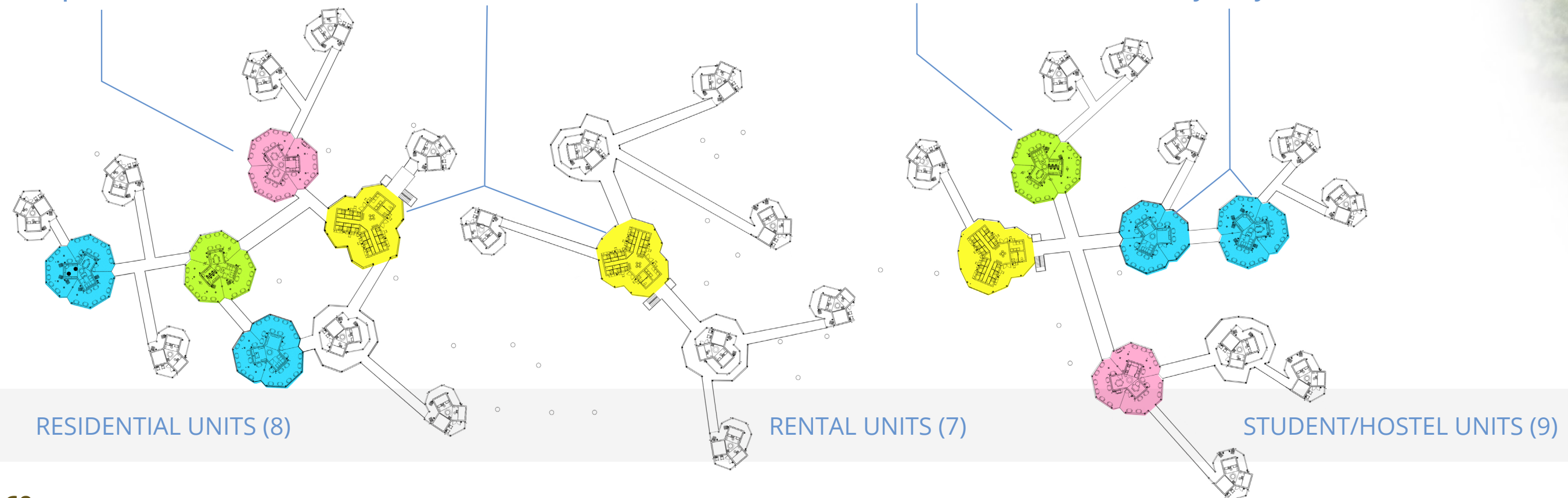
Shower/Bath Towers (3)



Arts & Crafts Rooms (2)



Library, Play, Game Rooms (4)



RESIDENTIAL UNITS (8)

RENTAL UNITS (7)

STUDENT/HOSTEL UNITS (9)

An aerial photograph of a large treehouse complex built within a dense forest. The complex consists of numerous small, white, house-like structures with dark roofs, each perched atop a tree. These structures are interconnected by a network of narrow, light-colored wooden walkways and bridges. The surrounding forest is lush and green, with many tall, thin trees. In the upper right corner, a large falcon is shown in flight, its wings spread wide. The overall scene is serene and natural.

Area: 75,000 (6,969 sq meters)

Housing
for **250+**

Convention
Space for **100+**

51 Living/Resident
Units

21 Visitor/Guest
Units

Dining
for **100+**

Laundry
for **300+**

11 Public Recreation
Spaces

2 Meeting
Spaces

9 Open Source
Templates

Estimated cost
\$4,893,000

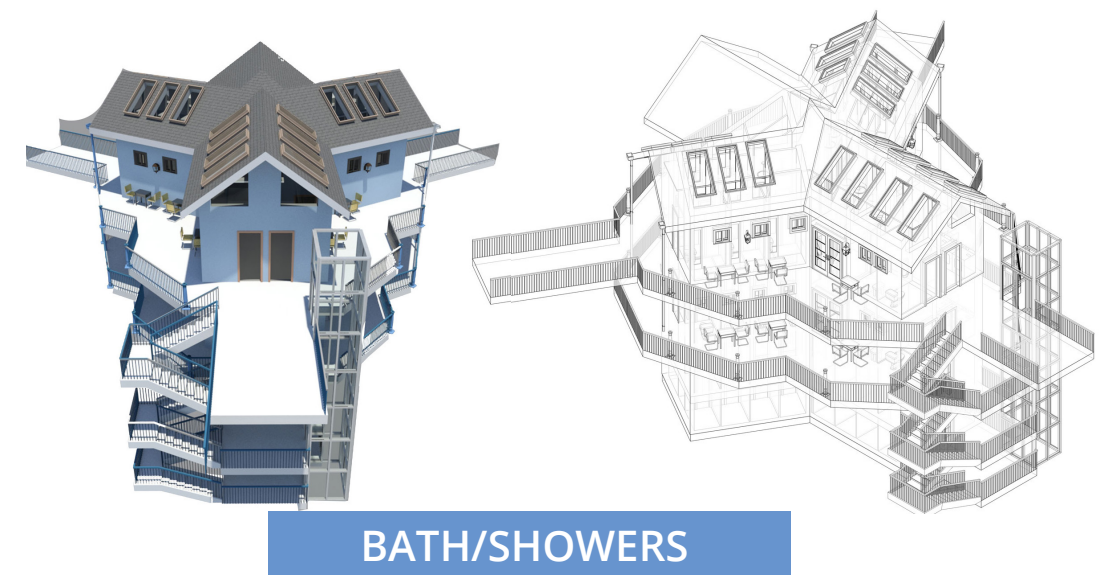
Tree House Village Communal Spaces

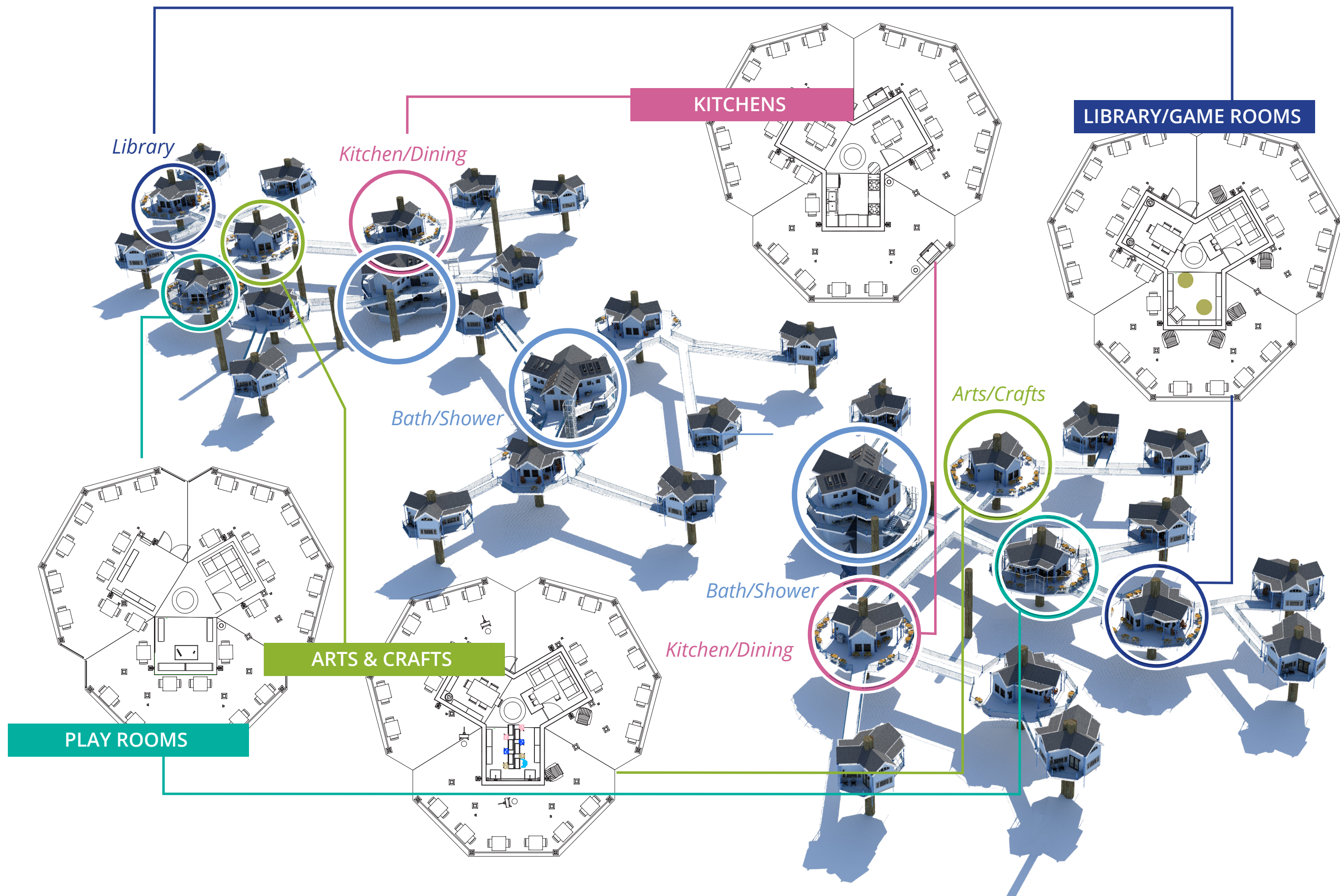


The Tree House Village communal structures are designed using the same base plans as all the other structures for this village. This is purposed for easier construction and maximum floor-plan design flexibility.

Planned communal spaces include play rooms, arts and crafts rooms, library and game room structures, and shared kitchen and dining structures.

Separate stand-alone bathroom structures, like the one shown below, address plumbing and septic challenges in a way that saves resources and money while making water saving and recycling easier.





Everything Open Sourced

The Tree House Village will open source all the same sustainability and infrastructure details as the previous villages, plus a diversity of additional shared spaces. All designs for this village, like all the village living spaces, will be built and open sourced to be do-it-yourself replicable as part of the complete village or as models for private residences. They are also designed for maximum floor-plan adaptability to the ongoing needs of One Community and anyone choosing to replicate them.

This is accomplished using the same base design for all structures except the Shower Towers and by only including plumbing for the Shower Towers and kitchen & dining structures. Additional steel columns rising from the ground below will reduce stress on the trees while allowing for more height, additionally supporting and stabilizing these 3-wing buildings, and providing the structure for emergency fire escapes, running electrical lines, etc.

Constructing this way will also allow for these structures to be safely built in taller trees, different kinds of trees, trees normally too small to support a tree house, or for easy adaptation and construction in areas where there aren't trees but off-ground living is still desired.

View the Online Open Source Hub:
www.OneCommunityGlobal.org/Tree-House-Village



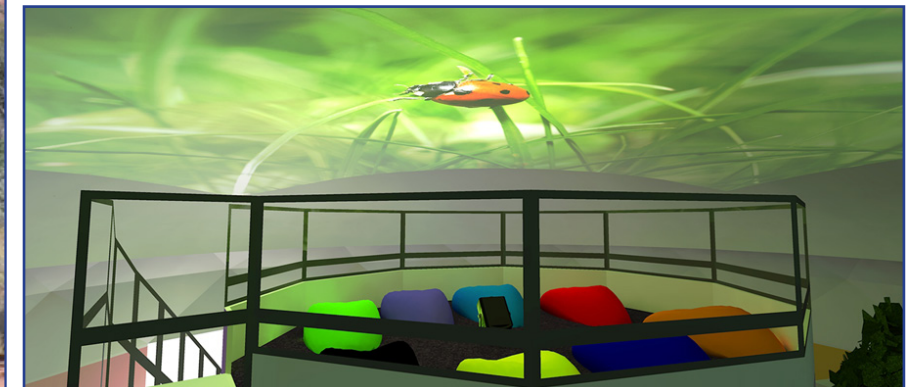


Structures feature additional loft rooms, private patio spaces, central shared spaces, under-stairs office spaces, and central shared spaces with additional shared loft seating. Open 6-room floor plans are also possible.



One Community Ultimate Classroom

The Ultimate Classroom is a DIY dome classroom structure for all ages and all learning levels. It is part of the One Community open source **Highest Good Education model** and is being open sourced with the same details as the 7 villages and City Center. Visit the open source hub here: www.OneCommunityGlobal.org/The-Ultimate-Classroom



The Ultimate Classroom also includes integration of a central 360° ceiling projector.



Blue Room

TECHNOLOGY & INNOVATION

This room's themes are technology and innovation, communication, empathy, feelings, and the ability to express oneself. This room (along with the Indigo Room) will contain computers, tablets, and other technology for internet access and multimedia creation.



Red Room

HEALTH & WELLNESS

This room's themes are health, life, vitality, strength, and the physical nature of all things. This themed area will include a climbing and exercising component, percussion instruments, and animal pictures and elements.



Green Room

SCIENCE & NATURE

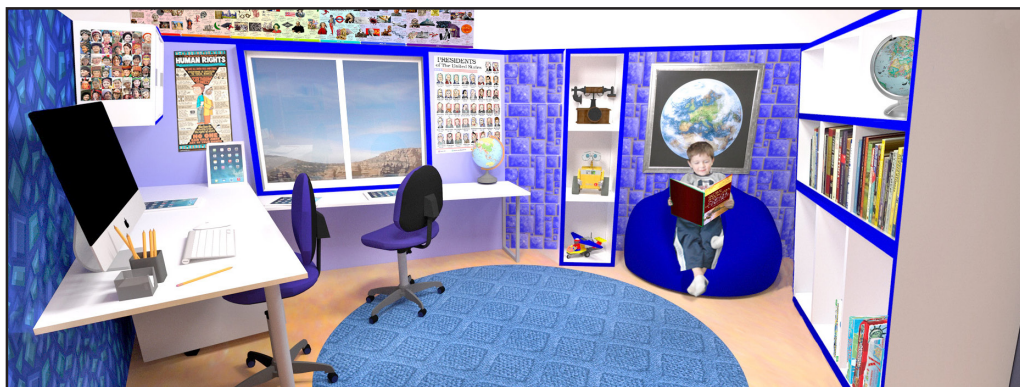
This room's themes are science, nature, ecological systems, and our interaction and connection with both. It is also about our connections to one another as parts of the human ecological system, and how these systems are interdependent.



Violet Room

ART/MUSIC, TRADES, & VALUES

This room's themes are arts, trades, values, imagination, self-expression, and enrichment. Learning aids in this area will include a stage, costumes and props, and books and learning aids related to theater, arts, music, different trade skills, and self-development.



Indigo Room

SOCIAL SCIENCES

This room's themes are social sciences, global and historical perspectives, and celebrating diversity. This room will contain computers and tablets plus learning aids and books focused on history and different cultures and cultural practices.



Yellow Room

MATH & LEADERSHIP

This room's themes are mathematics, peaceful leadership, sharing, self-esteem, respect for others, self-control, self-discipline, calmness, and initiative. This room will contain Math and collaborative and cooperative tools, toys, and games.



Orange Room

LANGUAGE ARTS

This room's themes are language arts, emotional growth and development. It is about understanding and exploring our feelings and responses to experiences and each other and learning to express them through language, art, and dance.

*Top-down View of
all Classrooms*



This classroom is part of the One Community Highest Good Education component that also includes open source all-ages curriculum guides and lesson plans, teaching strategies, learning tools and toys, evaluation models, and more: www.OneCommunityGlobal.org/Highest-Good-Education